

ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper for Those Who Make, Sell, or Buy
Chemicals, Dyestuffs, Drugs, Essential and Fatty Oils

VOLUME XI,

NEW YORK, SEPTEMBER 20, 1922

No. 12



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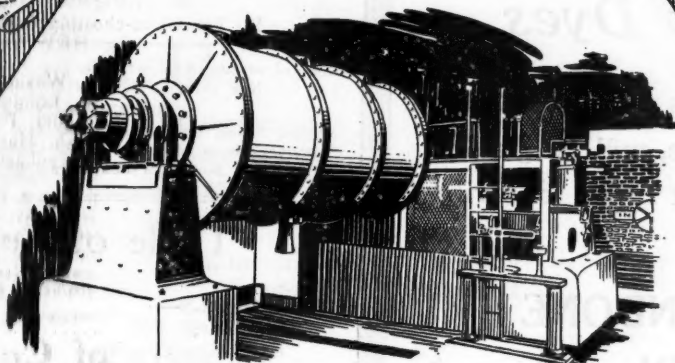
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One Twenty Two Hudson Street New York City.
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ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

PUBLISHED EVERY WEDNESDAY BY

DRUG & CHEMICAL MARKETS, INC.

WILLIAMS HAYNES, President

IRA P. MACNAIR, Secretary F. F. BURGIN, Treasurer
Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay Cable Chemmarket

Home Life Bldg., Washington, D. C.

80 Fenchurch st., London, E. C. 3.

19 Rue Auber, Paris

40 Gr-Burstah, Hamburg

18 Yamashita-cho Kyobashi-Ku, Tokyo

Entered as second-class matter, Dec. 7, 1914, at the post office at
New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico \$4.00 a year; Foreign \$5.00 a
year, payable in advance. Current Copies, 10 cents. Back Copies,
25 cents. A Binder for this Journal @ \$1.00 Postpaid.

Table of Contents

EDITORIALS—

The Tariff Bill	727
Exposition Criticisms	727
"A Strong Right Arm"	727
Many Men: Many Minds	728

FEATURE TRADE ARTICLES—

A Bureau of Chemical Commerce. How The Department of Commerce Can Serve The Industry Through The Statistical and In- formation Service of The New Chemical Division. By C. R. De Long, Chief Chem- ical Division, Bureau of Foreign and Do- mestic Commerce	735
---	-----

TRADE NEWS—

Chemical Exposition Exhibitors Pass a Vote of Confidence in Present Management, but Prominent Manufacturers Withdraw and May Take Part in Rival Exposition Next Year	729
The Tariff Bill, Having Been Rejected by The House, Is Changed by Elimination of Dye Embargo and Placing Potash on The Free List. Action in The Senate	731
Output of Sicily's Essential Oil Industry....	749
Employment in Consuming Trades Shows Steady Grain Each Month	750

MARKET REPORTS—

Heavy Chemicals	738-739
Fine Chemicals	740-741
Intermediates and Dyes	742-743
The Oil Market	744-745
Crude Drugs	746-747
Essential Oils	748-749
The Consuming Industries	750-751
Foreign Market	752-753

PRICES CURRENT	754
----------------------	-----

IMPORTS	775
---------------	-----

WANTS AND OFFERS	778
------------------------	-----

BUYER'S GUIDE	779
---------------------	-----

INDEX TO ADVERTISERS	780
----------------------------	-----



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VOLUME XI, NUMBER 12

[SEPTEMBER 20, 1922]

"A STRONG RIGHT ARM"

"An industry which cannot so conduct its affairs that a stoppage of production of its products becomes a national menace, cannot deny the public the right of interference."

So said Herbert Hoover, Secretary of Commerce, last week while speaking before some four hundred chemicals men at the dinner of Salesmen's Association of the American Chemical Industry in New York. Hoover not only stated that the rights of the American public and of American business had been violated by a six months cessation of production of coal, but went further and suggested a termination of the difficulties here and now, and a prevention of a recurrence of the same trouble in the future, by doing something "with a strong right arm."

"The public is now demanding results, but in a few months the public will be asleep. We are all sick and weary of this periodic warfare and of futile attempts at solution. Something has to be done with a strong right arm."

Without question if a vital industry which is necessary to all other industries is threatened, it is not only the right of the Government to step in, but it is an undeniable duty. The so-called Daugherty injunction against the labor unions is a one-sided affair at best, and only further complicates the situation. The trouble is basic; the whole coal industry relations are at fault. The settlement must be broad and far-reaching, and not merely a temporary truce which will break down again within a year or so. Hoover certainly hit the nail on the head when he suggested the use of a "strong right arm." Not merely to settle the present disagreement, will it do, but to force both operators and unions into a permanent agreement with the power of the United States Government behind it. The "tail has been wagging the dog" too long; American industry has been forced to wait on the coal industry too often. The coal industry has had ample opportunity to regulate its own internal affair, but has been consistently unsuccessful. Obviously, it is a job for the "strong right arm" of the Government, and the sooner this "right arm" gets busy, the better it will be for all American industry.

ONE SHOW OR NONE

The caustic comment of an exhibitor at the Chemical Exposition last week—"What do these chemical manufacturers mean by butting into this nice kettle and barrel show"—is harsh criticism. It reveals, however, the result of a series of causes that have been at work under the surface for a

number of years. Unless these causes are promptly removed, the Chemical Exposition will die and there will be few mourners at the funeral.

It must remain primarily a chemical show, and extraordinary efforts must be made to have chemical exhibits representative of the industry. The marked drift towards an equipment show is suicidal. The only proper place for such display carried to its ultimate conclusion is as a side-show at the meetings of the American Chemical Society and similar bodies. Without the executive and sales departments of the real producers of the chemical industry, a real chemical exposition is impossible. Representative displays of all the leading chemical makers would be of tangible value to their consumers and their competitors. With these men at the Exposition the value to the equipment makers would be tremendously enhanced.

It is easy to criticise the present show management. Their charges, compared with other expositions, have been high, and their services rendered have been unsatisfactory to many. They have succeeded in giving many exhibitors the impression that the show is not run for the best interests of the firms who support it. There has been a preponderance of technical and professional thought on their advisory board. Even a suspicion of favoritism and arbitrariness would be dangerous in such an undertaking, and these charges have been openly made. It is easy also to suggest that the cure lies in joining a new movement for a new show under a new management. A co-operative show has a popular appeal. Dissatisfaction naturally suggests punishment.

The question for the industry to determine first is whether or not we want a chemical show; then to weigh carefully the failure of any cooperative shows against the faults of the chemical show. If the right plan is worked out; then the question of the right men to carry out that plan can be quicker settled.

This fact is plain—to split the industry into two shows would guarantee the failure of both. It is a straight question of one show or none.

THE TARIFF BILL

With the Tariff bill out of the way and the coal and railroad strikes settled the way is open for further business expansion. It was not surprising that the action of the Conferees in regard to the dye embargo was sharply resented by its opponents who had finally agreed to high rates in the belief that the efforts to pass an embargo had been abandoned, after the Senate registered its opposition. The reaction was more violent even than the

original attack on the embargo by Senators King and Moses.

The effect of the new rates upon the manufacture of synthetic medicinals cannot be judged clearly until the Treasury Department regulations affecting imports are issued. In the meantime the passage of the bill will have a stimulating effect upon domestic industries and when the smoke of battle clears away the situation may prove to be more encouraging than has been predicted by the leaders in the fight to protect the dye and chemical industry from competition which has threatened American enterprise.

The Fordney-McCumber bill provides protection for the paper trade by assessing a duty of 1¼ cents a pound and 10 per cent ad valorem on printing paper not specially provided for and an additional duty of 10 per cent ad valorem and in addition an amount equal to the highest export duty imposed by any country. A duty of 10 per cent ad valorem is placed upon paper board, wallboard and pulp wood including card board and also providing that an additional duty can be levied against any country imposing a duty on any of these articles exported to this country. Filter stock pays 20 per cent ad valorem. Tissue paper, stereotype paper, copy, India, carbon and similar papers weighing not more than six pounds to the ream have a duty of 6 cents per pound and 16 per cent ad valorem with lower duties for similar heavier weight papers. Coated papers are taxed 5 cents a pound and 15 per cent ad valorem. Writing ledger and bond paper are under a duty of 3 cents a pound and 15 per cent ad valorem. Chemical wood pulp for paper making is on the Free List. Some of the materials used in paper making are on the Dutiable List. Casein is assessed 2¼ cents a pound and clay 2¼ cents a pound.

The British Government is trying to solve the dye problem in a more drastic way than any method yet suggested in America. The government importing agency which has heretofore handled German dyes has been abolished and British Dyestuffs Corp., Ltd., which was subsidized by the Government to make sure that Germany could not monopolize the British color market, has been named as the sole importer of Reparation dyes. The company is empowered to buy German dyes on its own account and sell them at its own price. It seems probable that the plan will make certain a price on German colors that will not place them in competition with similar dyes made in England, but the trade does not take kindly to the plan. While the change took place about Aug. 31, no official announcement of the arrangement has been made, and trouble for certain Government officials is expected when Parliament meets and takes up the question.

The new Chemical Division of the Bureau of Foreign and Domestic Commerce has been established as an aid to the American chemical industry. The Division cannot help without the co-operation

of the industry. The Division will be as useful as the industry makes it. Without a doubt, it is a needed addition to the Department of Commerce. Get behind it and push, and the results ought to be gratifying. Give your data to the Division and get your information from them. A communication to C. R. De Long, its head, at Washington, will receive hearty attention.

The British Government's efforts to economize in the Department of Overseas Trade met with emphatic protests from manufacturers in all lines of business, and British journals cited the fact that the United States had just established a Chemical Division of the Bureau of Foreign and Domestic Commerce, in voicing the commercial objections to cheeseparing in the department that keeps tabs on British foreign trade. That settled it. The staff of the Department of Overseas Trade is being increased.

Many Men: Many Minds

Do not depend on putty. Drive a nail home and clinch it so faithfully that you can wake up in the night and think of your work with satisfaction.—Thoreau.

Secretary of Labor Davis says: "The American workman faces a period of plentiful employment. We have put back to work the millions of idle who were seeking jobs a year ago. We have kept the general wage level within a few per cent of what it was at its highest."

"There is something fundamentally wrong with a man who can get vehement in denouncing what is claimed to be an error of the Attorney General but has not one word of denunciation for the destruction of property, the interference with traffic, the personal assaults and the murders which have characterized the coal and rail strikes," says Jonathan Bourne, Jr.

In most cases it is chemical knowledge that dominates not only dyestuffs, but the production of food, the great fermentation and metallurgical industries, the manufacture of medicinal chemicals, of paper, soap, and a host of common articles of everyday use, says "The Dyer" of London. The greatest of all these is dyestuffs. Not only are the most complex operations involved in dyestuffs manufacture, but the intermediates required and produced by it form, in many cases, the basis of subsidiary industries.

The program of the Society of Industrial Engineers, which meets Oct. 20 at the Hotel McAlpin, New York, includes a symposium on "Economics of Industry." Sectional meetings for managing executives, production managers, sales managers, industrial relations directors and accountants will be held. The international committee for the elimination of unnecessary fatigue will hold an open meeting.

Dr. H. G. Conn, chairman of the Committee on Standardization of Stains, of the American Society of Bacteriologists, reports that the National Aniline and Chemical Co. is unwilling to co-operate with the other manufacturers, seven in all, in limiting the lines and in co-operative advertising.

Chemical Exposition Split Threatened

Meeting of Exhibitors Brings Vote of Confidence for Payne-Roth Management—About 100 Exhibitors, Mostly Equipment Manufacturers, Represented—Launching of New Show for 1923 by Adriaan Nagelvoort, Former Co-manager of Present Show, Throws Exhibitors Into Uncertainty—Claims 100 Already Signed Up by Insurgent Crowd—Payne Says 125 Have Signed with Old Show—Opinions of Chemical People on the Show—Exposition Notes

A threatened split in the ranks of Chemical Exposition exhibitors was the overshadowing feature of the closing days of the Show at the Grand Central Palace in New York last week. The launching of a competitive exposition for 1923 by a former co-manager of the present show, resulted in holding a meeting of present exhibitors in the moving picture auditorium Friday evening to determine what the majority intend to do next year. Most of those present, which included about a hundred firms principally manufacturers of equipment, attended primarily to find out whether the body of exhibitors intended to go over to the so-called new show under the direction of Adriaan Nagelvoort, or remain with the Payne-Roth show at the Grand Central Palace.

After an hour of discussion, a series of votes showed that the gathering was almost solidly in favor of remaining with the old regime. About sixty firms said that they would drop out altogether if two competitive shows were held in New York. Most of the gathering apparently did not care who managed the show next year as long as they went with the crowd. Several warned against the co-operative show idea, a representative of the Westinghouse Company stating that of fifty shows a year at which they exhibit, the co-operative ones were the weakest and steadily losing ground. At the close of the meeting, word was received from the office of Mr. Payne that 125 exhibitors had already signed up for next year's show.

The advocates of a co-operative show under leadership of Mr. Nagelvoort and apparently sponsored by the Manufacturing Chemists' Assn. and the recently formed equipment association, claim to have signed up about a hundred firms for their 1923 show at the Madison Square Garden, New York, claiming most of the big chemical houses which have dropped out of the old show during the past year or two.

The attack on the Roth-Payne management was evidently instigated primarily by the circulation of reports that the profits from last year's exposition had aggregated some \$70,000. The present price asked for floor space was criticized and the price for next year reduced. The proposed co-operative plan calls for \$1.50 a square foot. To refute the excessive profits talk, a balance sheet showing a gross income of \$150,000 with a net profit of \$12,000 was submitted by Mr. Payne. This was attacked by a representative of the Duriron Company as being a lot of meaningless figures.

The exposition advisory committee also came in for its share of criticism, the list being dubbed a group of idle and unnecessary figureheads. At the close of the Exposition on Saturday night, the matter was still unsettled, most of the equipment people evidently deciding to cast their lot with the Payne-Roth outfit while some equipment and some chemical companies indicated an intention to give the "new show" a chance to demonstrate what it can do in 1923.

In reply to the question, "What do you think of the Show?" put to a few of the leading chemical companies exhibiting this year, by a representative of Drug & Chemical Markets, several divergent views were obtained. H. E. Hall, sales manager of the Commercial Solvents Corp., said: "As a direct sales producing agent the Chemical Exposition is certainly not worth the time, effort and expense that it calls for, and we should not forget that most of the exhibits are in charge of the Sales Departments. Salesmen naturally judge results by orders and are we not a little too impatient to judge fairly the real constructive, money producing value of the missionary work done at the Show?"

A. M. Hopper of the Mallinckrodt Chemical Works, said: "As a first time exhibitor at the Chemical Exposition we have been surprised at the interest which our exhibit has created. We sent out advance letters calling attention of those to whom we gave complimentary tickets to our new line of reagent chemicals and we feel that it has been a benefit to us to have had an opportunity to show this line to interested, intelligent inquirers. Our brief experience has been satisfactory and we find that something new, attractively displayed, does attract attention."

Dr. Max Mueller of the Rhodia Chemical Co., said: "After all isn't a good deal of the real fault with the Chemical Exposition the fact that the novelty has worn off? We are all of us tired and we are most of us disappointed that the Show has not produced the results that it did in the past, especially at a time when business is certainly looking up. Special efforts ought to be made to get more complete exhibits of chemicals and chemical products and to keep these as interesting as possible by displaying new chemicals."

Charles B. Hall of the Cleveland-Cliffs Iron Co., said: "The Chemical Exposition is not, but it certainly ought to be, a real Chemical Show, held under the auspices of some association of chemical manufacturers rather than the chemists and equipment people. It would seem that the Synthetic Organic Chemical Manufacturers might be the logical body to take the initiative and I believe that it ought to be a fast rule that every chemical exhibit show processes or uses."

John W. Boyer of the Mathieson Alkali Works, said: "Any Chemical Exposition will be a failure that does not show as completely as possible the products of the American chemical industry, and no great value can come to chemical manufacturers as exhibitors at any Chemical Show unless they and their competitors make such displays."

C. W. Pearson, sales manager of Buffalo Foundry and Machine Co., Buffalo: "We have not decided whether or not we will exhibit at the Grand Central Palace next year. We are, however, absolutely satisfied with the treatment accorded us by the management. While the attendance and the enthusiasm shown this year have not been up to normal we received many inquiries which we believe will be profitable. Perhaps should the Chemical Exposition be staged every other year instead of yearly it would be more successful. We believe this matter should be referred to exhibitors for decision."

"The lack of chemical exhibits is to be deplored and every effort should be made to induce chemical companies to return. More advance information of a spe-

cific nature, as to the attractions at the show, might add to the quality of the visitors."

H. T. Osborne, International Salt Co., New York City: "While we have no criticism as to the method of conducting the 1922 Chemical Exposition, we believe it has cost too much in proportion to the benefits which we have derived from it. The crowds were not in attendance and quality in the visitors was lacking. There were too many sightseers and not enough people who were really interested. We favor a strictly product exposition. There were too many machinery exhibits to enable the show to be called a chemical exposition. A real chemical show, economically conducted, and entered into by the entire industry would have our support."

"We will not sign any reservations for space for any future show until we are furnished with a bona fide list of co-exhibitors. We were unable to secure such a list this year, although it is certainly due every man to know what sort of company he will be in."

Charles L. Senior, sales manager of Florasynth Laboratories, Inc., Unionport, N. Y.: "We are undecided on the question of exhibiting in 1923. We are satisfied with the handling of present chemical show but believe that the novelty of the thing is wearing off. There is little enthusiasm here. We hardly fit in amongst all the machinery. The co-operative plan as we understand it at present does not appeal to us."

A representative of the Merrimac Chemical Co.: "We are perfectly satisfied in every way with the results of this exposition. The absence of the larger companies benefited us as visitors had more time to inspect our booth. There should be machinery, but there was a little too much of it this year in proportion to the amount of chemicals shown. More specific advance advertising might bring in more of the actual consumers. If there are two shows we will exhibit in neither."

PROPOSES NEW EXPOSITION PLAN

Letters are being received by chemical manufacturers giving details of a plan to conduct the Chemical Exposition on a co-operative plan. Adriaan Nagelvoort writes that the chairmen of the following organizations have already agreed to serve as members of the Executive Committee: The Manufacturing Chemists' Association, The Chemical Equipment Association, The Scientific Apparatus Manufacturers' Association. The members of the Advisory Board of the present Exposition will also be invited to serve on this committee. Briefly outlined, the co-operative plan of operation involves the following:

The entire conduct of the Exposition will be under the actual control of the Executive Committee. A manager will be appointed on a salary, who will be responsible to this committee, and will act under their direction. A low rental per square foot to the exhibitors, probably on the basis of a sliding scale according to the number of firms engaging space. After each year's show an audit and report will be made by a reliable firm of certified accountants, and whatever funds remain after expenses are covered will be returned to the exhibitors as a pro rata dividend.

Mr. Nagelvoort suggests that the Exposition be held in Madison Square Garden or the 69th Regiment Armory.

George Walker, formerly of the Dorr Co., is now with the Grasselli Chemical Co., Cleveland, Ohio, in the research department.

Exposition Echoes

On Wednesday and Thursday evenings, the attendance at the Exposition was unusually heavy.

The prices asked for grape juice, ginger ale, and other drinks at the Exposition soft drink counters, reminded one of the palmy days of the 1919 "silk-shirt era."

A well known exhibitor was credited with the rather caustic comment, "Where do these chemical houses get the courage to butt in at this machinery show, anyhow?"

"Welcome Chemists" was the poster carried by all Fifth avenue buses in New York during the week of the Exposition, put on by the Welcome Stranger Committee of New York.

Dr. F. W. Russe of the Mallinckrodt Chemical Works, was one of the many out of town visitors at the Show who spent the week in New York. Several of the larger companies, including Grasselli and Mathieson, had quarters at the Commodore Hotel for their staffs.

"Alcohol permit holders, do not forget November first" was a warning notice hung in the booth of the U. S. Industrial Alcohol Co. All requests for 1923 extension of non-beverage permits must be in the hands of the Internal Revenue Department before November first.

Chief among the topics of conversation at the Exposition was the new co-operative chemical show proposed by a group of insurgents against the present show management and to be held in Sept. 1923 at the Madison Square Garden, New York. Opinions were divided, the pitfalls of the co-operative idea and inexperience in management being the chief arguments heard against the new proposal.

The rejection of the dyestuff embargo and potash duty by the House late last Wednesday, was the cause of a hurried meeting Thursday of about fifty chemical people at the Exposition at which Dr. Charles Herty urged immediate action in asking members of Congress to reinstate the Bursum Amendment in the tariff bill as a substitute for the embargo. Dr. Herty left late Thursday for Washington to lead the fight for the Bursum Amendment in the House.

MONSANTO OFFERS IMPORTED PHENOL

The Monsanto Chemical Works is offering spot imported phenol in 336 pound drums. The shipment, which arrived at New York last week from Liverpool, consisted of 667 drums of British material. This is the first lot of imported phenol which has come into the United States since the war. During the war, the United States was a big producer of phenol for use in the production primarily of picric acid. Heavy exports were made during the war period. With the termination of hostilities, some 25,000,000 pounds of excess supplies were held by the Government. Without production during almost four years, these stocks have been practically cleaned out. The recent rise in price of phenol to 20c for spot goods was the reason for the issuance of permits for import under the Emergency Tariff Act. The Monsanto lot was the first to reach this port from abroad.

The Verona Chemical Co., of Newark, N. J., carried \$400,000 worth of insurance on its plant which was recently damaged by fire to the extent of \$40,000.

Tariff Bill Passed and Sent to President

Senate Approves Conferees' Report by Vote of 43 to 28—Committee on Ways and Means Reports Favorably to the House Representative Tilson's Resolution Extending the Dye and Chemical Control Act for Three Months—Strong Probability that It Will Be Approved by House and Senate—Dr. Charles H. Herty Sends Letter to Members of Congress Urging Its Adoption

(Special to DRUG & CHEMICAL MARKETS)

Washington, Sept. 20.—The conference report on the Fordney-McCumber Tariff bill was adopted by the Senate by a vote of 43 to 28. It was sent to the President today and if he gives his approval immediately it will become a law Thursday morning. The President has ten days in which to act on the measure.

The House Committee on Ways and Means reported with a favorable recommendation Representative Tilson's resolution extending the dye and chemical control act for three months. This resolution was indorsed by Secretary Mellon, who pointed out that it would require at least three months to place the customs division of the Treasury in a position to put into effect the new policy provided in the new Tariff bill.

In a letter dated Sept. 18, and delivered to all the Republican members of the House, Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers' Association of the United States, says that the enactment of Representative Tilson's resolution will protect the industry he represents and give time for framing legislation based on rates which, he adds, "will safeguard the incompleting American industry."

The rates on dyes as fixed by the conferees and accepted by the House and by the Senate are: For the first two years after the bill becomes a law seven cents per pound and 50 per cent on intermediates, and seven cents per pound and 60 per cent on finished dyes. After two years the rate will be seven cents per pound and 40 per cent on intermediates, and seven cents per pound and 45 per cent on finished dyes.

ACTION OF CONFEREES ON DYE BILL

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 20.—The tariff conference report was accepted by the House on Sept. 15 after the conferees had stricken out of the tariff bill the dye-stuff embargo, changed the dye rates and placed potash on the free list.

The tariff conferees, in accordance with the instructions of the House, struck out of the bill the dyestuff embargo, but changed the rates. The rates were changed so that for the first two years that the bill is operative a duty of 7 cents a pound and 50 per cent ad valorem will be charged on intermediates and 7 cents a pound and 60 per cent ad valorem on finished dyes. After the first two years the rate will be 7 cents a pound and 40 per cent ad valorem on intermediates and 7 cents a pound and 45 per cent ad valorem on fin-

ished dyes. These rates are all based on American valuation.

As the tariff bill passed the House it provided a duty of 30 per cent American value and 7 cents per pound on coal-tar intermediates. The Senate amendment imposed a duty of 75 per cent American selling price and 10½ cents per pound. The Senate amendment also provided that if there be no similar competitive article manufactured or produced in the U. S. A. the ad valorem rate shall be based upon the foreign value or export value. It further declared that for the purpose of this act any domestic coal-tar products shall be considered similar to or competitive with any imported coal-tar product which accomplishes results substantially equal to the domestic product when used in substantially the same manner and provided that the President could increase the duty. In conference the House receded with an amendment making the rate 7 cents a pound and 40 per cent American value, unless there is no similar competitive domestic article, in which case the ad valorem rate is based on the United States value of the imported article. The conference agreement also provided that for the first two years after the passage of the act the specific duty of 7 cents a pound shall be imposed, but the ad valorem rate shall be 55 per cent instead of 40 per cent.

Another amendment made all synthetic organic medicinal and chemicals, not specifically provided for, dutiable at 90 per cent American selling price and 10½ cents per pound, which under the House bill were dutiable at 25 per cent American value where not specially provided for. The Senate receded on this amendment and the conference accepted the wording as it passed the House.

The House bill provided a duty of 35 per cent American value and 7 cents per pound upon coal-tar dyes and other finished coal-tar products. The Senate imposed a duty of 90 per cent American selling price and 10½ cents per pound. The Senate also provided that if there be no similar competitive article manufactured or produced in the United States the ad valorem rate should be based upon the foreign value or export value. The House receded from its position with an amendment making the rate 7 cents a pound and 45 per cent American value, unless there is no similar competitive article, in which case the ad valorem rate is based on the United States value of the imported article. The conference agreement also provided that for the first two years after the passage of the act the specific duty of 7 cents a pound should be imposed, but the ad valorem rate shall be 60 per cent instead of 45 per cent. The conference agreement also provided that any domestic coal-tar product shall be considered similar to or competitive with any imported coal-tar product which accomplishes results substantially equal to the domestic product when used in substantially the same manner and also that the President cannot increase duties under this paragraph. These last two provisions were contained in the bill as it passed the House and the conferees by their action on that amendment struck out the language at that place.

As the bill passed the Senate, Title 5 of the emergency tariff act was repealed. This title, which is known as the Dye and Chemical Control Act, was not repealed by the House when the bill passed, but the House conferees receded, so that Title 5 has been stricken from the bill.

Rates in the Fordney-McCumber Bill

Products	Fordney-McCumber	Underwood Law	Products	Fordney-McCumber	Underwood Law
Acetaldehyde	1 lb. & 30%	1 lb.	Citrate of Lime	7c lb.	1c lb.
Acetate of Lead, White	2c lb.	1c	Citric Acid	17c lb.	5c lb.
Brown, Grey, Yellow	2c lb.	1c	Civet, Crude	20%	20%
Acetic Acid, 68%	3c lb.	Free	Clove Oil	25%	20%
Acetic Anhydride	5c lb.	2 1/2c lb.	Cobalt Oxide	20c lb.	10c lb.
Acetic Ether	3c lb.	5c lb.	Sulfate	10c lb.	15%
Acetone	25%	1c lb.	Salts and Compounds	30%	15%
Aconite, Advanced	10%	Free	Coca Leaves	10c lb.	15c lb.
Agar Agar	10%	20%	Cocaine	\$2.60 oz.	\$2.00 oz.
Alizarin Oil	35%	25%	Coconut Oil	2c lb.	Free
Alcohols, Amyl, Butyl, Propyl ..	6c lb.	34c lb.	Cocculus Indicus	10%	Free
Fusel Oil	6c lb.	34c lb.	Copaiba Balsam	10%	10%
Methyl (Wood)	12c gal.	Free	Cottonseed Oil	3c lb.	Free
Ethyl, (non-beverage)	15c proof gal.	\$2.60 gal.	Court Plasters	20%	15%
Alcoholic Chemical Compounds,			Cream of Tartar	5c lb.	2 1/2c lb.
Under 20%	20c lb. & 25%	10c lb. & 20%	Cutch Extract	15%	Free
20%—50%	40c lb. & 25%	20c lb. & 20%	Cyanide Potassium	Free	Free
Over 50%	80c lb. & 25%	40c lb. & 20%	Dextrine, Potato	3 1/2c lb.	1 1/2c lb.
Alizarin Assistant and Soluble			Other	1 1/2c lb.	3 1/2c lb.
Greases	35%	25%	Digitalis	25%	Free
Alkaloids	25%	18%	Distilled Oils	25%	25%
Aloes, Advanced	10%	10%	Lemon and Oranges	25%	10%
Althea Root, Leaves, Flowers ..	Free	Free	Clove and Eucalyptus	25%	20%
Althea Root, Advanced	10%	10%	Peppermint	25%	25c lb.
Alum Cake	3c lb.	15%	Patchouli	25%	20%
Other Aluminum Compounds ..	25%	15%	Sandalwood	25%	Free
Potash Alum	3c lb.	15%	Others	Free	20%
Aluminum Hydroxide	1 1/2c lb.	15%	Drugs, Crude		Free
Ambergris	20%	20%	Drugs—Barks, Beans, Berries,		
Ammonium Carbonate	1 1/2c lb.	3 1/2c lb.	Bulbs, Bulbous Roots, Excre-		
Chloride	1 1/2c lb.	3 1/2c lb.	scences, Fruits, Flowers, Dried		
Nitrate	1c lb.	Free	Fibers, Dried Insects, Grains,		
Perchlorate	1 1/2c lb.	Free	Herbs, Leaves, Lichens,		
Phosphate	1 1/2c lb.	1c lb.	Mosses, Roots, Stems, Vege-		
Sulfate	3c lb.	Free	tables, Seeds (Aromatic, not		
Ammonia, Anhydrous	2 1/2c lb.	2 1/2c lb.	garden seeds) Seeds of mor-		
Animal Oils, (Each Oil Listed			bid Growth, Weeds—Advanced		
Alphabetically)			Dye Wood Extracts		
Antimony Oxide	2c lb.	15%	Other Dyeing and Tanning		
Argols, Under 90%	5%	5%	Extracts	15%	10%
Over 90%	5c lb.	2 1/2c lb.	Enamel Paints	25%	3 1/2c lb.
Aromatic Chemicals	40c lb. & 50%	35%	Epsom Salts	1 1/2c lb.	15%
Arsenic Acid	3c lb.	Free	Ethyl Alcohol, Non-Beverage ..	10c proof gal.	1-10c lb.
Arsenious Acid	70%	Free	Ergot	10c lb.	\$2.60 gal.
Artists' Paints and Colors	10%	20%	Ethyl Acetate	3c lb.	5c lb.
Asafetida, Ipecac, advanced ..	10%	Free	Chloride	15c lb.	20%
Balm of Gilead	Free	Free	Ether (Sulfuric Ether)	4c lb.	4c lb.
Balsams, Crude, Canada, Co-			Eucalyptus Oil	25%	20%
paiba, Peru, Styra, Tolu	10%	10%	Expressed Oils		
Barks	10%	10%	Castor	3c lb.	12c gal.
Barium Carbonate	1c lb.	10%	Coconut	2c lb.	Free
Chloride	1 1/2c lb.	3 1/2c lb.	Cottonseed	3c lb.	Free
Dioxide	4c lb.	1 1/2c lb.	Extracts, Dyeing and Tanning ..	15%	3 1/2c lb.
Nitrate	2c lb.	15%	Fats and Oils, Hardened	4c lb.	Free
Barytes Ore	\$4 ton	15%	Flavoring Extracts	25%	20%
Barytes, Manufactured	\$7.50 ton	20%	Floral Waters	20%	1c lb.
Bay Rum	40c lb. & 60%	\$1.75 gal.	Formaldehyde Solution	8c lb.	18%
Beans	10%	10%	Formaldehyde, Solid	8c lb.	20%
Belladonna, Digitalis, Henbane.			Fruit Essences	\$1.25 ton	75c ton
Stramonium, Crude	25%	Free	Fuller's Earth, Unmanufactured	\$1.50 ton	\$1.50 ton
Advanced	25%	10%	Manufactured	6c lb.	3 1/2c lb.
Berries	10%	10%	Fusel Oil	10%	Free
Bismuth Salts	25%	10%	Fustic Extract	8c lb.	6c lb.
Blacklines	25%	15%	Gallie Acid	7c lb. & 20%	25%
Blanc Fixe	1c lb.	20%	Gelatine, Glue, Manufactured ..	3 1/2c lb.	3 1/2c lb.
Bleaching Powders	3-10c lb.	1-10c lb.	Gentian	1c lb.	1c lb.
Blue Pigments	8c lb.	20%	Glycerin, Crude	2c lb.	2c lb.
Bone Black	20%	Free	Refined	25%	10%
Boric Acid	1 1/2c lb.	2 1/2c lb.	Gold Salts, etc.		
Bromine	10c lb.	Free	Ground Ochres, Siennas, Um-		
Bromine Compounds	10c lb.	15c lb.	bers	3 1/2c lb.	50%
Buchu Leaves	10c lb.	10c lb.	Hardened Oils and Fats	15%	Free
Caffeine	\$1.50 lb.	\$1.00 lb.	Hemlock Bark Extract	1 1/2c lb.	3c gal.
Caffeine Compounds	25%	25%	Hempseed Oil	10%	10%
Calcined Magnesia, Medicinal ..	3 1/2c lb.	3 1/2c lb.	Herbs	5c gal.	5c gal.
Non-Medicinal	3 1/2c lb.	2 1/2c lb.	Herring Oil	20%	15%
Calcium Carbide	1c lb.	Free	Ink and Ink Powders	10%	10%
Tartrate	5%	5%	Insect Flowers	20c lb.	Free
Calomel	45%	15%	Iodine, Resublimed	10%	Free
Camphor, Crude	1c lb.	1c lb.	Jalap	2c lb.	1 1/2c lb.
Refined	6c lb.	8c lb.	Lactic Acid, Under 30%	4c lb.	1 1/2c lb.
Canada Balsam	10%	10%	30%—55%	4c lb.	1 1/2c lb.
Carbon Tetrachloride	2 1/2c lb.	1c lb.	over 55%	3c lb.	20%
Caraway Seed	10%	1c lb.	Lead Arsenate		
Caraway Seed	10%	Free	Lead Pigments		
Coriander Seed	10%	Free	Litharge	2 1/2c lb.	25%
Coscin Compounds, Unmanufac-			Orange Mineral	3c lb.	25%
tured	2c lb.	Free	Red Lead	2 1/2c lb.	25%
Manufactured	40c & 25%	Free	White Lead	2 1/2c lb.	25%
Castile Soaps	25%	15%	Others	25%	10%
Castor Oil	3c lb.	12c gal.	Lemon Oil	25%	1c lb.
Chalk, Ground Dry	25%	1-10c lb.	Licorice Extracts	1 1/2c lb.	3 1/2c lb.
Chalk, Ground in Oil	3 1/2c lb.	15%	Root	\$2.10c lb.	10c gal.
Chalk, Manufactured	25%	25%	Linseed Oil	15c	3 1/2c lb.
Chastnut Extracts	15%	Free	Logwood Extract	1 1/2c lb.	1 1/2c lb.
China Camellia	15c lb.	15c lb.	Magnesium Carbonate	1c lb.	15%
Refined	15c lb.	20c lb.	Chloride	1c lb.	Free
China Red	25%	25%	Mangrove Bark Extract	1c lb.	3 1/2c lb.
China Sulfate, etc.	5c lb.	15%	Magnesia, Calcined, Medicinal ..	2 1/2c lb.	2 1/2c lb.
China Sulfate, etc.	15%	15%	Non-Medicinal	2 1/2c lb.	Free
Chlorophyll Extract	25%	20%	Manna	10%	
Chromium Colors	25%				

Compared With the Underwood Tariff

Products	Fordney-McCumber	Underwood Law	Products	Fordney-McCumber	Underwood Law
Mate	10%	15%	Tartaric Acid	25%	35c lb.
Medicinal Chemical Compounds	20c lb. & 25%	25%	Tartar Emetic	6c lb.	15%
Menhaden Oil	5c gal.	3c gal.	Thorium Nitrate	35%	25%
Menthol	50c lb.	50c lb.	Thorium Salts	35%	25%
Methyl (Wood) Alcohol	12c gal.	Free	Tin Salts	25%	10%
Morphine	\$3.00 oz.	\$3.00 oz.	Titanium Salts	30%	15%
Myrobalan Extract	15%	Free	Tolu Balsam	10%	10%
Nitrate of Lead	3c lb.	24c lb.	Tonka Beans	25c lb.	25c lb.
Oak Bark Extract	15%	Free	Turkey Red Oil	35%	25%
Ochres, Siennas, Umbers			Turmeric	Free	Free
Crude	14c lb.	5%	Ultramarine Blue	3c lb.	15%
Ground	14c lb.	5%	Vanilla Beans	30c lb.	30c lb.
Satin White	12c lb.	20%	Varnishes, Under 5% Alcohol	\$2.20 gal. & 25%	\$1.32 gal. & 15%
Oleic Acid (Under 44lb)	15c lb.	15%	Over 5% Alcohol	25%	10%
Olive Oil	75c lb.	30c gal.	Other Spirit Varnishes	25%	10%
Other	75c lb.	20c gal.	Wattle Bark and Extract	15%	Free
Opium, Crude	\$4.00 lb.	\$3.00 lb.	Whale Oil	6c gal.	5c gal.
Dried	\$4.00 lb.	\$4.00 lb.	White Lead	25c lb.	25%
Orange Oil	25%	10%	Wool Grease, Crude	14c lb.	14c lb.
Osage Orange Extract	15%	14c lb.	Not Crude	1c lb.	14c lb.
Oxalic Acid	4c lb.	15c lb.	Zinc Chloride	1 1/2-10c lb.	14c lb.
Paints, Colors, Stains	40%	15%	Zinc Sulfate	14c lb.	14c lb.
Artists' Paints and Colors	40%	20%			
Paris Green	15%	Free			
Patchouli	25%	20%			
Peanut Oil	4c lb.	25c lb.			
Pepper	2c lb.	1c lb.			
Peppermint Oil	25%	6c gal.			
Perfumed Toilet Soap	30%	30%			
Unperfumed	10%	10%			
Perfumery, Alcoholic	4c lb. & 75%	40c & 60%			
Non-Alcoholic	75%	60%			
Persian Berries	15%	34c lb.			
Peru Balsam	10%	10%			
Phosphoric Acid	2c lb.	Free			
Pigments, Artists	40%	20%			
Black	20%	15%			
Lead	20%	25%			
Pimento	1c lb.	34c lb.			
Plasters, Healing	20%	15%			
Polish, Collodion	25%	40%			
Polishing Powders	25%	15%			
Potato Starch	14c lb.	1c lb.			
Propyl Alcohol	6c lb.	14c lb.			
Prussian Blue	8c lb.	20%			
Pyrogallol Acid	12c lb.	12c lb.			
Quebracho Extract	15%	Free			
Quercitron Extract	25%	34c lb.			
Quinine Sulfate	6c lb.	Free			
Rapeseed Oil	5c lb.	6c lb.			
Rochelle Salts	10%	24c lb.			
Roots	1c lb.	10%			
Sandalwood Oil	25%	14c lb.			
Sarsaparilla Root	1c lb.	Free			
Satin White	14c lb.	1c lb.			
Seal Oil	6c gal.	20%			
Soaps, Perfumed Toilet	15%	3c gal.			
Castile	15%	30%			
Other Soaps & Powders	35%	10%			
Soluble Greases	35%	5%			
Soya Bean Oil	24c lb.	25%			
Salt Soda	1c lb.	Free			
Sodium Arsenate	1c lb.	14c lb.			
Bicarbonate	1c lb.	14c lb.			
Borate	10c lb.	14c lb.			
Bromide	14c lb.	15%			
Carbonate	14c lb.	Free			
Chlorate	11c 100 lb.	14c lb.			
Chloride (pkgs.)	7c 100 lb.	Free			
Chromate	14c lb.	14c lb.			
Formate	2c lb.	15%			
Ferrocyanide	14c lb.	14c lb.			
Hydroxide	14c lb.	14c lb.			
Nitrate	Free	14c lb.			
Nitrite	3c lb.	14c lb.			
Phosphate	14c lb.	14c lb.			
Sesquicarbonate	14c lb.	14c lb.			
Sulfate, Glauber's	\$1.00 ton	\$1.00 ton			
Sulfate, Under 35%	\$2.00 ton	15%			
Silicate	14c lb.	14c lb.			
Sulfates	14c lb.	Free			
Thiosulfate	14c lb.	14c lb.			
Sperm Oil	14c lb.	14c lb.			
Starch, Potato	14c lb.	8c gal.			
All others	14c lb.	1c lb.			
Stearic Acid	14c lb.	14c lb.			
Stramonium	25c	15%			
Strontium Salts	25c	Free			
Strychnine	15c oz.	15%			
Styrax Balsam	15c oz.	Free			
Sugar-Up to 75% test	1 1/2-100c lb.	10%			
Each additional Sugar Degree	1 1/2-100c lb.	34c lb.			
Sulfuric Ether (Ethyl Ether)	1 1/2-100c lb.	4c lb.			
Sumac Extract	14c lb.	Free			
Synthetic Fruit Flavors	14c lb.	15%			
Talc, Ground	25c	Free			
Crude, Unground	25c	Free			
Tannic Acid, Under 30%	14c lb.	5c lb.			
Over 30%, Non-Medicinal	14c lb.	5c lb.			
Over 30%, Medicinal	14c lb.	5c lb.			

HERTY PREDICTS RUINOUS COMPETITION

(Special to Drug & Chemical Markets)

Washington, D. C., Sept. 20.—Approval by Congress of the rates on dyes, agreed upon by the Senate and House conferees, will mean the "final doom" of the newly created American chemical industry, Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers' Assn. of the United States, declared. It will be only the question of a short time, he predicted, before the American industry "is swamped by German importations and the entire American organization of chemists and plans dissipated."

"Not content with cutting the tariff rates on coal-tar products to the destroying point," he said in a statement, "the conferees have wiped out the synthetic organic chemicals and drugs made from other than coal-tar bases. This means that many of the most vital medicines now made in America are to be given back to the German monopoly, and America made dependent again on foreigners for these drugs."

"With the destruction of the American-produced synthetic medicines and drugs, as well as coal-tar products, the work of destruction appears to be complete, and the disaster one of shocking extent. By the conferees' action the merican chemical industry is thrown into the junk heap, and while England, France, Belgium and Italy and Germany herself are maintaining outright embargoes on chemicals, we are, if this conference report is approved, about to see America make a shameful surrender of her newly developed industry to her old masters."

The Tulare County Farm Bureau has organized a second lime sulfur unit and a plant will be established at Lindsay, Cal., for the manufacture of lime sulfur spray. A similar plant, owned by fruit growers, has been in operation for some time at Terra Bella, Cal.

The Phosphogen Fertilizer Corp., Richmond, Va., has been incorporated with a capital of \$10,000,000 to manufacture commercial fertilizer products. Horace S. Wright is president, and N. T. Cook, secretary.

The International Lead Refining Co., East Chicago, Ind., is building a new plant for the manufacture of zinc oxide. The company is a subsidiary of the Anaconda Copper Co.

Western Chemicals, Inc., Tonopah, Nev., has remodeled its plant and the production of alum on a large scale will be under way by the first of October.

DICKSON QUILTS DYE CONTROL SECTION*(Special to DRUG & CHEMICAL MARKETS)*

Washington, D. C., Sept. 20.—F. S. Dickson, chief of the Drug and Chemical Control Section of the Customs Service, Treasury Department, has tendered his resignation to Secretary of the Treasury Mellon, effective the day on which the tariff bill becomes law. In his resignation Mr. Dickson states that he will be glad to stay on for a few days in order to clean up such work as is necessary.

In connection with the abolishment of the Drug and Chemical Control Section, a resolution has been introduced in the Upper House by Senator Wadsworth of New York and in the House by Representative Tilson of Connecticut, which asks for the continuance of the Drug and Chemical Control Section for a period of four months in order that the Treasury Department may get started on the new dyestuff provisions in the tariff bill. It is understood that these resolutions have been introduced at the instance of the Secretary of the Treasury.

COL. METZ FINDS DYE BILL JOKER

Herman A. Metz, who returned last week from a summer outing in Germany, said regarding the tariff rates on dyes:

"The bill as it stands is one of the worst 'jokers' ever put over on the American public. One clause in the bill that has not received sufficient attention is which is termed the 'similitude' clause, which provides that imports which compete with products manufactured in this country shall be assessed on the American valuation basis. According to the bill as it now reads, it is up to the Customs House to determine whether or not a product manufactured in this country is 'similar' to that which is imported.

"Don't talk to me about embargoes, that clause is far more reaching in its effect than any embargo can ever be. If this clause is permitted to stay in the bill in its present form without definition, it will add one hundred fold to the work of the Customs office, and will be far reaching in its effect upon the consumer."

Judge Manton, of the U. S. District Court, Southern District of New York, has ordered delivered to the Army Medical Supply Depot, Brooklyn, 24,200 cans of chloroform, held by the Kachurin Drug Co., New York, and bought by the company from the Government at a sale of surplus goods. The chloroform had developed impurities.

Dr. George B. Waterhouse, for the last 16 years with the Lackawanna Steel Co., Buffalo, N. Y., has accepted the appointment as head of the department of metallurgy at the Massachusetts Institute of Technology. He will succeed Prof. H. O. Hoffman who resigned last June after many years of service.

Myron S. Hagen, vice-president of the Bowker Insecticide Co., in addition to other duties is now in charge of the New York Sales Department of the American Agricultural Chemical Co., covering Eastern Pennsylvania, New Jersey, Long Island and Western Connecticut.

Thomas H. Wickenden and Charles McKnight, Jr. have recently joined the development and research department of the International Nickel Co., New York City, to undertake development work in connection with alloy steels.

**BRITISH GOVERNMENT DYESTUFFS CORP.
EXCLUSIVE AGENTS FOR GERMAN COLORS**

Central Importing Agency Abolished and No Company or Firm Except British Dyestuffs Corp., Ltd., Allowed to Import German Dyes—No Official Notice Issued—Government Scandal Predicted by Leading Manufacturers in England

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Sept. 20.—The Central Importing Agency which was appointed by the Government in 1919 as sole selling agents for German Reparation dyestuffs received under the Peace Treaty has been closed down. The reason for the abrupt end of the agency is not known and the Government department concerned will make no statement. The British Dyestuffs Corporation, Ltd., has been appointed as the new agents and will henceforth have the handling of all reparation dyes received from Germany. It is believed they will be allowed to purchase from the reparation stocks for their own account and re-sell the dyes as their own material.

Although the change was an accomplished fact on Aug. 31 no official notice has yet been issued and the trade is being kept in ignorance of what has happened. Sooner or later the whole matter will have to be disclosed, possibly when Parliament meets.

Merchants interested in dyestuffs feel they have strong cause for complaint against the appointment of the British Dyestuffs Corporation. A leading British manufacturer said: "It is difficult to understand how this move will assist the British makers of dyestuffs to build up their industry. Certainly it will afford them the opportunity to make considerable profits, but that is a totally different thing from the manufacture of dyestuffs which is the sphere of their activities and not the merchandising of their competitors' goods. No other company or firm will be allowed to import similar dyes. The British Dyestuffs Corporation can buy for their own account from the Reparation stocks at low prices and sell the dyes as their own goods at high rates."

At the present time business in the dye and chemical trade is very unsatisfactory. A slight improvement is reported in the home demand, but in export business there is nothing encouraging. Prices are still falling and unless the British Dyestuffs Corporation offers the German dyes at reasonable prices a Government scandal is sure to follow.

TO HEAR CHEMICAL PATENT SUIT SEPT. 28*(Special to DRUG & CHEMICAL MARKETS)*

Wilmington, Del., Sept. 20.—The Delaware Federal Court has fixed Sept. 28 for the hearing in the Government case against the Chemical Foundation. Judge Morris will later decide whether the Chemical Foundation will be forced to restore to the Government the 4,700 patents which were acquired from the Alien Property Custodian for \$250,000.

Assistant Attorney General Henry Anderson, who was the Republican nominee for Governor in Virginia, will make the argument for the Department of Justice, and William Guthrie of New York will represent the Foundation.

John Q. Tilson, Congressman from Connecticut, who returned recently from Germany, says the German dye and chemical plants along the Rhine are running on full time.

A Bureau of Chemical Commerce

How the Department of Commerce Can Serve the Industry Through the Statistical and Information Service of the New Chemical Division

By C. R. DE LONG, Chief Chemical Division, Bureau of Foreign and Domestic Commerce

THERE are maintained within the Department of Commerce three Bureaus which may be designated as the three service bureaus of the Department. These include the Bureau of the Census, the Bureau of Standards and the Bureau of Foreign and Domestic Commerce. It is particularly the services which this latter bureau can render to the chemical industry that I wish to place before you. In order to bring the Department in closer contact with the chemical industry, there was established on August first a Chemical Division within the Bureau of Foreign and Domestic Commerce, to deal with problems of that industry. This division, in addition to handling the general inorganic and organic chemicals, will also devote its energies to the trade in drugs and medicinal preparations, essential oils, perfumery and toilet preparations, pigments, paints and varnishes, fertilizers and fertilizer materials, explosives and pyrotechnics.

One of the important considerations is the means at the disposal of the bureau for the collection of information relating to foreign markets and industries, which will be of service to the chemical industry of the United States. The Department maintains twenty permanent offices in the important commercial centers of foreign countries. These offices are in charge of business men and economists acquainted with the commercial conditions surrounding the trade of each particular country. In addition, the Department enjoys the co-operation of more than 500 consular officers of the State Department. It is evident that these outposts of the Government form a vast network of lines of communication on conditions in foreign countries. These representatives are constantly forwarding to the Department at Washington inquiries for American goods, and information on the competitive conditions which are met with in the individual countries of the world.

These representatives are in a position to advise American firms and manufacturers as to agencies qualified to handle their products, as to the customs duties in force in the various countries, and as to other commercial regulations governing the sale of products in a particular country. This information on the world's markets, as received, is centralized in the various commodity and regional divisions of the Bureau of Foreign and Domestic Commerce. Here it is carefully studied and abstracted before being distributed to American industries. I believe that through these

How many tons of Epsom salt were imported into United States in 1920? What are the prospects for introducing a new proprietary product into Siam? What is the best way to pack oil peppermint for shipment to India? Where is the best export field for sulfuric acid today? And a thousand and one other questions. Over 500 consular officers of the U. S. State Department all over the world are prepared to ferret out this information for the new Chemical Division of the Department of Commerce so that it may efficiently serve the American chemical industry.

Just to the extent that the industry co-operates with the new Division, so will the Division be valuable to the industry. Its need is obvious—has been obvious for several years—and its successful operation under the guidance of Mr. De Long will fill a long felt want. He describes herewith the plans of the new Division.

sources the Chemical Division will be able to assemble in Washington accurate and detailed information on the world's production and requirements for chemical products.

Distribution of Information

The chief means by which this information is disseminated to interested firms is by publication in "Commerce Reports," a weekly publication of the Department. In this publication will be found a list of opportunities for the sale of American goods in foreign countries. It also contains a variety of articles on world economic conditions and information on the markets for specific commodities in particular countries. An important feature which has been added to this publication is a weekly cable service from the Bureau field agents, setting forth the latest developments in all parts of the world.

For the intelligent exportation of products it is necessary to keep in constant touch with changing conditions in the various markets of the world. For example, one would not ordinarily consider that there would be a market for American caustic soda in Germany, and yet information reaching the Department of Commerce recently shows that there is an apparent shortage of caustic soda in this market, and that the demand is being largely supplied by the United States. As a matter of fact, approximately one-half of the caustic soda being imported by Germany is originating in this country. It can, therefore, be seen that with rapidly changing market conditions it is necessary to keep in constant touch with the various foreign markets if advantage is to be taken of these opportunities to sell American chemical products abroad.

In order that American firms interested in the exportation of chemical products may receive the benefit of confidential information on trade opportunities in foreign countries, the Department maintains a classified list of American exporters and manufacturers, which is known as the "Exporters' Index." It should be emphasized that only American owned firms interested primarily in the promotion and sale of products of domestic manufacture are eligible for listing on this "Index." A firm once listed on this "Index" is entitled to receive without charge confidential information on trade opportunities, such as financial references, reputation and standing of the firm making the inquiry, and other information helpful in the marketing of a particular commodity in a foreign country. Such firms are also entitled to receive, whenever requested, trade

lists of firms capable of handling their products in foreign countries. In order to supply accurate lists of such firms the Department is maintaining a World Trade Directory of foreign business concerns. This is a card index of foreign firms and is being constantly revised and expanded as information is received in the Department. The lists indicate the relative importance of the different merchants, the commodities which they are prepared to handle and the nationality of the firm. This latter information, in negotiating agencies for American products in foreign markets, is particularly important, as it would be unwise for an American firm to make connections with an agency of foreign nationality, which is more likely to be interested in developing the trade of a competing nation, rather than the commerce in American products.

Because a firm is listed on the "Exporters' Index" it does not necessarily follow that all trade inquiries will be brought to that firm's individual attention. The usual distribution of these trade opportunities is by publication in "Commerce Reports." Any firm interested in the exportation of chemical products should, therefore, become a subscriber to "Commerce Reports," the subscription price of which is only \$3.00 a year, and should also make application for listing on the "Exporters' Index." The aid that will result from these services of the Department is readily apparent to those interested in foreign trade.

To further facilitate contact between the Washington office of the Bureau and business men, the Bureau maintains district offices in New York, Boston, Chicago, St. Louis, San Francisco, New Orleans and Seattle, which offices, in many instances, are in a position to supply immediately up to date information from their files. In addition, the bureau has extensive co-operative arrangements with the foreign trade departments of the Chambers of Commerce in twenty-six other principal cities in the United States.

Information on Raw Material Sources

Although the Department primarily interests itself in developing trade in American products it can be of service to domestic manufacturers in connection with supplies of raw materials which must be necessarily imported. With its numerous foreign representatives it may be readily seen that the bureau can be of distinct aid in furnishing information to domestic firms of conditions surrounding the trade in such materials. A recent occurrence relative to China wood oil will serve as an example. This oil, as is well known, is a necessary ingredient in the manufacture of waterproof and heatproof varnishes, and must be imported from the Orient.

A new source of supply of this oil was being developed in China, and a sample of the oil, which is of somewhat different grade from that ordinarily imported into the United States, was obtained by the Department of Commerce. The Department has made arrangements with the Institute of Paint and Varnish Research to test these samples, and report on the fitness of this supply of China wood oil for the manufacture of this type of varnish. The bureau is well equipped to aid domestic manufacturers in securing new sources of raw materials, and to keep them advised of markets in foreign countries with reference to such products.

Statistical Information

The Department can be of further aid to the chemical industry by supplying accurate and detailed statistics of the trade in chemical commodities, both in the

United States and in foreign countries. It is essential to the intelligent conduct of business to know the extent of domestic and foreign markets, the degree to which these demands are being met, and the countries supplying the products. It is planned that the Chemical Division shall make a periodic analysis of domestic and foreign trade statistics so as to make available the extent of the world's trade in chemical products.

Domestic import and export statistics for chemical products have been greatly improved in recent years, but there remains much that should and can be accomplished in the collection and dissemination of basic statistics on the domestic chemical industry.

A recent gratifying advance has been made in this direction in the case of the statistics for sulfuric acid and acid phosphate produced by the fertilizer industry, through the co-operative efforts of the National Fertilizer Association and the Bureau of the Census. That bureau has recently published statements showing the production, stocks and sales of these products for the first six months of 1922, and, it is reported, will continue the collection of such statistics for six months' periods. It is to be hoped that other branches of the chemical industry will see the advantages of such statistical information, and that it will only be a short time until such statistics have been expanded to include other basic chemical commodities.

Co-operation of the Industry Necessary

I have attempted to describe briefly the agencies within the Bureau of Foreign and Domestic Commerce which can be of service to the chemical industry. The important question now is as to how these agencies can be put to work to render maximum aid to the chemical industry. The Department feels that it can only accomplish this in the most effective manner by receiving the constant advice and counsel of the members of the various branches of the chemical industry. In this connection the trade associations in the industry can be of a distinct assistance, not only to the Chemical Division, but to the chemical industry as a whole. The various branches of the industry are well represented by such trade associations.

The executive committee of the Manufacturing Chemists' Association has recently agreed to act in an advisory capacity to the Chemical Division, and will submit definite suggestions as to the information required by the manufacturers of heavy chemicals in regard to selling these products in foreign markets. As the organization of the Division progresses, it is expected that additional committees will represent other branches of the chemical industry. The Chemical Division can only serve the chemical industry effectively in proportion as it receives the hearty co-operation of all branches of that industry.

Trade associations and individual manufacturers should not wait for an invitation from the Department to co-operate with the Chemical Division. The Division is beginning to function, and has been established for the sole purpose of facilitating contact between the Department and the chemical industry. It is earnestly desired that the industry will come to consider that the Chemical Division is a part of the industry itself, and that it is their means of contact with the Government. We want trade associations and individual manufacturers in the chemical industry to feel that they can lay their problems before the Division with the knowledge that their confidence will be respected, and that we will endeavor to aid them in solving these problems by every means at the disposal of the Department.

QUOTATIONS ON CHEMICAL STOCKS

	Bid	Asked		Bid	Asked
Air Reduction	59	60	Heyden Chem.	134	134
*Allied Chem. & D. 84 1/2	85	85	Hooker Electro	55	65
*Allied Chem. & D. pf. 118	115	115	Hooker Electro. pf.	60	70
*Am. Ag. Ch.	39 1/2	40 1/2	*Int. Agricult.	9	10
*Am. Ag. Ch. pf.	71 1/2	72	*Int. Agricult. pf.	37	38
*Am. Chiclé	8 1/2	8 1/2	*Int. Nickel	17 1/2	17 1/2
*Am. Chiclé pf.	20	29	*Int. Nickel pf.	81 1/2	82 1/2
*Am. Cot. Oil.	29	30	*Int. Salt	67	67
*Am. Cot. Oil. pf.	55 1/2	56	*Mathieson Alk.	47	49
*Am. Cyan.	53	56	*Merk & Co. pf.	67	67
*Am. Cyan. pf.	6 1/2	6 1/2	Merrimac	83	88
Am. Glue	40	45	Mulford Co.	35	40
Am. Glue pf.	65	70	Mutual Co.	150	150
*Am. Linseed	37 1/2	37 1/2	*National Lead	105	105 1/2
*Am. Linseed pf.	56 1/2	58	*National Lead pf. 111 1/2	116	116
*Am. Malt	12	13	N. J. Zinc	152	154
*Am. Zinc	17 1/2	18	Niag. A. pf.	96	100
*Amer. Zinc pf.	46	47 1/2	Parke, Davis & Co. 103	104	104
Atlas Powder	145	148	Penn. Salt	80	81
Atlas Powd. pf.	90	90	People's Gas. Chi.	98	98 1/2
British Am. Chem.	1	1	Procter & Gamble. 124	128	128
By. Prod. Co.	57	65	Procter & Gam. pf. 102	106	106
Carborundum	135	135 1/2	Rol. Ch. pf.	50	60
Carborundum pf.	115 1/2	116	Rol. Ch. pf.	80	90
Casein Co.	30	45	Royal Bak. Po.	108	115
Celluloid Co.	92	98	Royal Bak. Po. pf. 97	99	99
Celluloid Co. pf.	104	105	Sherwin-Williams	28	29
Ches. Mfg.	195	205	Sherwin-W. pf.	93	97
Ches. Mfg. pf.	110	113	Stand. Ch.	90	100
Com'l Solv. A.	48 1/2	49 1/2	Swan & Finch	32	35
Do B.	43 1/2	44	*Tenn. C. & Chem.	10	10 1/2
*Corn Products	117 1/2	118	*Tex. Gulf. Sul.	55 1/2	56 1/2
*Corn Products pf.	117	120	Union Carbide	62 1/2	63
*Davison Chem.	51	52	Union Sulphur	80 1/2	81
Dow Chem.	200	200	*Un. Drug	49 1/2	49 1/2
Dow Ch. pf.	103	103	*Un. Dyewood	42	42
Du Pont de Nem.	150	151	*Un. Dyewood pf.	92	95
*Du P't de Nem. Db. 88	89	87	Un. Gas. Imp.	54 1/2	54 1/2
Eastman Kodak	86	87	Un. Gas. Imp. pf.	54 1/2	55
Eastman Kodak pf. 108	108	108	U. S. Gypsum	34	34
*Freeport, Tex. Sul. 24 1/2	24 1/2	24 1/2	U. S. Indus. Al.	64 1/2	65
*Freept. Tex. Sul. pf. 91	93	93	*U. S. Indus. Al. pf. 96 1/2	97	97
*Grasselli	128	132	*Va. Car. Ch.	27 1/2	28 1/2
*Grasselli pf.	100	101 1/2	*Va. Car. Ch. pf.	65	65 1/2
Hercules Powder	164	170	*V. Vivaudou	13 1/2	13 1/2
Hercules Powd. pf. 100	102	102			

*Listed on New York Stock Exchange

The Virginia-Carolina Chemical Co. has listed the following securities on the New York Stock Exchange: \$25,000,000 first mortgage 25-year 7 per cent sinking fund gold coupon bonds, Series A, due June 1, 1947; \$12,500,000 15-year 7 1/2 per cent sinking fund convertible gold coupon bonds, Series A, due July 1, 1937.

The Federal Mining & Smelting Co. reports for the three months ended July 31, last, net earnings after expenditures of operations of \$308,023, compared with \$175,257 in the preceding three months, and with 176,034 in the corresponding period of last year.

Hercules Powder Co.'s preferred stock in escrow is being exchanged for regular preferred stock share for share, together with accrued dividends amounting to \$8.75 per share. J. S. Bache & Co. have been taking in the dissolved issue since Sept. 6.

The committee representing the creditors of the Rolin Chemical Corp. has decided to postpone payment of the fifth dividend of 10 per cent. The money is in the treasury, but business has been hampered by embargoes.

The Royal Baking Powder Co. has declared its regular quarterly dividend of 1 1/2 per cent on the preferred and 2 per cent on the common stock, payable Sept. 30 to holders of record Sept. 15.

The National Licorice Co. has declared the regular quarterly dividend of 1 1/2 per cent on the preferred stock, payable Sept. 30, to holders of record Sept. 22.

The Air Reduction Co. has declared the regular quarterly dividend of \$1 a share, payable Oct. 15 to holders of record Sept. 30.

Hercules Powder Co. directors, in a meeting held Sept. 13, considered the advisability of doubling the present stock issue and passed resolutions to that effect. They will be referred to the stockholders for consideration at a special meeting called for Oct. 24. The company will not complete the issue at once, should the stockholders agree to the proposition, but will increase the preferred and common holdings as the money is needed for new development work, and for the purpose of retiring the bonds of the Aetna Explosives Co., recently acquired by the Hercules company.

The International Agricultural Corp. reports a deficit of \$467,874 for the year ended June 30, 1922, after interest, depreciation and depletion. This compares with a deficit of \$2,342,532 in the previous year. The consolidated income account shows an operating profit of \$1,398,821, from which is deducted \$1,464,599 bond interest and other items. The profit and loss surplus amounts to \$962,320. The previous surplus was \$1,350,683. Assets include \$1,717,252, compared with \$2,089,590 in 1921 and \$1,825,592 in 1920. Total assets are \$45,453,174, compared with \$48,762,821 last year.

Failures in the United States last month, as reported to R. G. Dun & Co., decreased a little more than 2 per cent, the number being 1,714. Not only is this the smallest total of the current year, but it is also less than the number shown in all previous months since last October, when the number of failures—1,713—was practically the same as in the present instance. The margin of increase over last year's totals is narrowing steadily, although the number of defaults for August, this year, is about 10 per cent in excess of the 1,562 insolvencies of that month of 1921.

The United Drug Co. has obtained a reversal of a judgment rendered against it, in favor of J. A. Wolff, March 26, 1918. The amount involved was \$3,256.35.

New Incorporations

Tennessee Chemical Co., Wilmington, Del., \$1,000,000. Corporation Trust Co. of America, Wilmington.

Pennsylvania Products Laboratories, Brooklyn, N. Y., \$25,000. To make chemicals and chemical by-products. C. Jacob, B. Miller, A. Devine; F. G. Milligan, 375 Fulton st., Brooklyn.

Reich-Ash Corp., New York, \$25,000. To make chemicals and by-products. S. and L. R. Reich, S. Ash; rep., N. D. Leiman, 291 Broadway.

Z. G. V. Chemical Products Co., Kearny, N. J., \$75,000. R. B. Vanorder, Caldwell; J. F. Zellers, Montclair; Lovett A. Grant, East Orange.

Crystal Products Co., Newark, N. J., \$50,000. To deal in chemicals. V. J. Vonsmuda, Irvington, N. J.; A. Shapiro, P. Walsb, Newark.

Sulfex Co., Newark, \$10,000. To make chemicals and by-products. L. C. Owens, Jr., C. P. Stewart, B. W. Saunders, 264 Jelliff ave., Newark.

Chloridine Co., Memphis, Tenn., \$10,000. To make chemicals. H. P. Bynum, P. C. Schaltz, A. C. Grube, Memphis.

New Process Co., Indianapolis, Ind., \$25,000. To make chemicals and by-products. G. P. Shippey, R. L. Walker, Indianapolis.

Clark Chemical Co., Boston, Mass., \$25,000. To make chemicals. Nelson B. Clark, 166 Lawrence st., Malden, Mass.

Allyndale Lime Co., Hartford, Conn., \$50,000. To make lime and kindred products. Samuel Gilbert, Ben. Gaberman, Hartford; M. S. Tracy, Glastonbury, Conn.

Universal Soda and Potash Mines, Inc., Wilmington, Del., \$60,000. To make soda, potash, and similar products. Colonial Charter Co., Wilmington.

Bolta Co. of America, Wilmington, Del., \$1,000,000. To make chemicals. Corporation Trust Co. of America, Wilmington.

Burkhart-Schair Chemical Co., Chattanooga, Tenn., \$100,000. A. C. Burkhart, Chattanooga.

Hoffman & Thompson, 46 South Charles st., Baltimore, Md., \$40,000. To deal in drugs. Harry H. Hoffman, Charles G. Thompson, Howard C. Johanson.

Capital Increases—Prel Chemical Corp., New York City, \$200,000 to \$450,000.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, 766-768

MAKERS ADVANCE BLEACHING POWDER

Chlorine and Yellow Prussiates of Soda and Potash Higher—Imported Products Higher in Anticipation of the New Tariff—Acetate of Lime Advanced

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Acetate of Lime, 40c per cwt.	Bleaching Powder, 25c per cwt.
Alum, potash, Imp., ¼c lb.	Caustic Potash, Imp., ¼c lb.
Ammonium Chloride, white, imp., ¼c lb.	Chlorine, ¼c lb.
Ammon. Carbonate, Imp., ¼c lb.	Potassium Prussiate, Imp., Yel. ¼c lb.
Barium Binoxide, Imp., \$7 ton	Potassium Chlorate, Imp., ¼c lb.
Barium Chloride, Imp., \$5 ton	Sodium Sulfide, Imp., ¼c lb.

Declined No Declines

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$12	\$12	\$12	\$11	\$19½	\$07
Sulfuric Acid, 66 deg. ....ton	14.00	14.00	14.00	18.00	55.00	20.00
Bleaching Powder, Works .....100 lbs.	2.00	1.75	1.60	2.40	9.50	1.80
Copper Sulfate .....100 lbs.	5.90	5.90	5.95	5.25	20.00	4.50
Potash, Caustic .....lb.	.05½	.05½	.05¾	.05¼	.27	.08
Saltpetre, gran. ....lb.	.06¾	.06¾	.06¾	.09¼	.35½	.04½
Soda Ash, 58 p.c. ....100 lbs.	1.80	1.80	1.80	2.25	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.55	3.55	3.60	3.85	9.50	1.42
Potassium Bichromate ..lb.	.10	.10	.10	.12	.65	.06¾
Average	3.066	3.037	3.033	3.57	11.06	3.14

Prices have become decidedly firm during the week and several advances have been noted. An increased demand during the recent labor strikes has depleted stocks and manufacturers are now handicapped in meeting orders. Shortage of labor has increased the difficulties and cost of production is mounting. Imported chemicals uniformly are being advanced in price owing to the nearness with which new tariff rates are expected to go into effect. Makers of bleaching powder have advanced prices to 2c a pound and in some directions slightly higher. This advance is said to be due to labor shortage at works. Demand is still strong for bleach. Chlorine has also been advanced by some makers. Yellow prussiates of soda and potash still continue strong and prices are higher. Oxalic acid is firm and in good demand. Copperas is scarce. Imported caustic potash has been advanced slightly. Caustic soda and soda ash have not changed. Bichromates are firm. White ammonium chloride has been advanced by importers. Barium chloride and binoxide have been advanced sharply.

Acid, Acetic—Demand continues quiet and prices remain at recent levels. 28 per cent is quoted at \$2.67½ in carlots at works and \$2.92½ for lesser lots. 56 per cent at \$5.35 for carlots and 70 per cent at \$6.50. Glacial is quoted at a range of \$11.17@12.17 in carlots of barrels at works.

Acid, Hydrofluoric—Prices somewhat firm on increased demand. 30 per cent is quoted at 5c@6c in carlots and 48 per cent at 10c@11c as to quantity. 52 per cent is held at 11c@12c.

Acid, Muriatic—Little change has been noted. Demand is slow and maker well supplied with stocks.

20° is named by makers at \$1.10@\$1.50 for carlots of carboys at works. 22° at \$1.40@\$2.00.

Acid, Nitric—Buying is along routine lines and in no large quantities. Basis is \$4.50\$5.25 for 36° in carlots at works, and \$5.00@\$5.65 for 38°.

Acid, Oxalic—Continues in a strong position. Makers still hold at 17c at works. Smaller quantities in dealers hands are doing 18c@18½c.

Acid, Sulfuric—Demand is still good in this line though there has been no change in prices. 66° is quoted at \$14.00@\$16.00 in tanks at works. 60° at \$9.00@\$11.00.

Alums—Ammonia is still in a firm position with prices steady at new levels. Powdered quoted at \$3.85@\$3.90 in carlots at works. Lump at \$3.50 and ground at \$3.40 @ \$3.60. Demand in potash is improving. Makers name \$4.50 at works. Imported is higher 3c@3¼c. Chrome at 5c@6c and soda at 3¼c@4c.

Ammonium Chloride—Gray is in good demand and prices firm. Imported white has been advanced ¼c to 6½c@7c. Gray is scarce at 7½c@8c. Makers name 7½c@7¾c for white and 7½c@7¾c for gray.

Ammonium Sulfate—Supplies continue low and manufacturers are unable to fill large orders. Prices are quoted at \$3.50@\$3.60 per cwt. bulk f. o. b. works. There is none for export.

Arsenic—Little change has been noted. Prices remain at former levels. 8½c for spot and future at slightly less.

Barium Chloride—Importers are not disposed to sell in view of nearness of tariff passing and are higher at \$90.00@\$95.00 per ton. American makers continue to quote \$85.00 f. o. b. works, in bags.

Bleaching Powder—Owing to labor difficulties and increased demand from consumers makers have advanced prices to \$2.00 per 100 pounds inside. Some sellers are asking higher. Advance in price of chlorine gives bullish tone to the situation.

Copperas—No change in spot position noted. Scarce on spot and prices are firm at \$21.00 per ton in carlots at works. Carlots in bags \$23.00 to \$25.00 is quoted as to quantity.

Copper Sulfate—Normal demand is noted with prices at their former levels of \$5.90 per 100 pounds on carlots in barrels. Crystals named at \$6.25@\$6.50; powdered goods at \$6.75 delivered carlots.

Potash, Caustic—Advance in price to 5¼c@6¼c lb. on 88-92 per cent imported goods. Domestic material continues at 8c. Importers firm due to tariff possibilities.

Potassium Bichromate—Price continues in firm position at 10c@11c. Powdered material offered at 13c@13½c lb.

Potassium Prussiate—Imported yellow goods have been advanced to 35½c@37c lb. In a firm position as spot stocks are low and demand is increasing. Red continues unchanged at 90c@93c lb.

Soda Ash—Consumers continue active and the market is in a good position. Quotations for contract,

basis 48 per cent in carlots of bags at works, are made at \$1.20. Ex-warehouse prices for spot bags at \$2.10.

Soda, Caustic—Makers quote \$2.50 for contracts basis 60 per cent in carlots of drums at works unchanged. Single shipments bringing \$2.57½. Spot goods ex-warehouse offered at \$3.70@3.75 in makers' hands. Resellers will do \$3.50 generally on standard goods. Other brands named as low as \$3.40.

Sodium Bichromate—Position unchanged with prices being well held at 7½¢@7¾¢lb.

Sodium Prussiate—Yellow prussiate stocks un replenished and makers are reported unable to fill current requirements. Quoted generally at 24¢@25¢lb.

ELECTROCHEMISTS MEET AT MONTREAL

(Special to DRUG & CHEMICAL MARKETS)

Montreal, Sept. 20.—The American Electrochemical Society has completed plans for its Montreal meeting, Sept. 21 to 23. The headquarters will be at the Windsor Hotel, where registration will begin Wednesday evening, Sept. 20. Local members of the Society of Chemical Industry, Engineering Institute of Canada, Canadian Institute of Mining and Metallurgy, the faculty staff of McGill University and of Montreal University (Ecole Polytechnique) will attend the meetings.

There will be a special private train to Shawinigan Falls, leaving Windsor Station Friday at 11:30 at night, arriving at Shawinigan Falls at 7:30 a. m. The members will have an opportunity to inspect the following industrial plants: Belgian Industrial Co., Canada Carbide Co., Canadian Carborundum Co., Laurentide Power Co., Laurentide Pulp & Paper Co., and the Shawinigan Water & Power Co.

On Thursday and Friday the sessions will be devoted to technical papers.

Application has been made to list upon the New York Curb Market 60,000 shares of the common capital stock of no par value of Technicolor, Inc., a company recently organized to produce colored motion pictures. Among the directors are Eversley Childs, president of the Bon Ami Company; William Hamlin Childs, director and member of the executive committee of the Crucible Steel Company, vice-president of the Allied Chemical & Dye Corporation; James C. Colgate, James B. Colgate & Co.; N. T. Pulsifer, chairman of the board of directors of Valentine & Co., varnishes.

In the prospective French-German potash merger the Germans will have a 75 per cent representation and the French 25 per cent interest according to a report to Government officials. The merger has been expected at various times during the past two years but advices that the two groups have actually merged have not been received as yet. The foreign representatives are said to have caused the conferees on the tariff to remove potash from the free list, and to assess a duty of one and one-half cents a pound.

Exports of chemicals and allied products from the United States to foreign countries for the first seven months of 1922 were valued at \$63,113,990, a drop of \$2,000,000 from the same period in 1921, the decrease occurring in exports of soda ash, pigments, paints, varnishes, fertilizers and coal tar products. Increases in exports were shown in wood alcohol, acetate of lime, calcium carbide, chloride of lime, copper sulfate, caustic soda, zinc oxide, ammonia sulfate, rosin and spirits of turpentine.

Heavy Chemical Notes

Surplus stocks of zinc were reduced 25 per cent in August, in spite of increased production during the period. Present stocks on hand are 21,629 tons as compared with 64,124 tons six months ago. Zinc is selling at 6½¢ per pound compared to 4¼¢ a year ago and 8¢ two years ago.

Among the metals lead and zinc are advancing in price on increased demand. Consumption is more than taking care of production. Lead has been advanced \$2.00 a ton. Zinc is quoted higher at \$6.80 per cwt. Antimony has advanced ¾¢ on demand and tariff assurance. Tungsten is also quoted higher at \$3.25 per unit. Copper is firm at 14¢ and tin is stable at \$32.12½@32.25.

German potash prices will be raised 3 per cent on Oct. 1 to meet the rising costs of coal and labor according to advices received by the Department of Commerce from Trade Commissioner Alfred P. Dennis at Berlin. The reported accord between German and Alsatian potash groups to establish a monopoly and raise prices, however, has been denied by the officers of the German potash syndicate.

English nitrate sales are increasing due to the continued scarcity of ammonium sulfate, according to the Aikman (London) nitrate market circular. The total sales for shipment after July 1 amount to about 685,000 tons distributed over the months from July, 1922, to June, 1923. Production of nitrate in Chile for July was 81,000 tons and stocks of 1,577,000 tons on July 31 against 88,000 in 1921 and stocks of 1,375,000.

Acetate of lime was advanced sharply yesterday from \$2.35 per 100 pounds to \$2.75 by makers. Increased cost of production due to advances in the price of raw materials and fuel, together with increasing cost of labor have caused the manufacturers to advance the price on acetate of lime. Makers have been operating at loss during the twelve or eighteen months and stocks have become depleted. It is expected that acetic acid and acetone will also advance in price on the strength of this advance in lime acetate.

The Kalbfleisch Chemical Co., Elizabeth, N. J., under a decree of the Chancery Court, has been permitted to reopen its acid plant for a ten-day trial for the purpose of having William D. Wolfskiel, a special master named by the court, observe conditions and determine whether or not operation of the plant is a menace. It is stated that the Kalbfleisch Company has perfected a new process for the manufacture of acids that will eliminate the obnoxious fumes which have been declared a menace to health and property.

Platinum prices have been advanced \$10 an ounce within the last two weeks. The latest quotations are \$118 an ounce for soft platinum, \$125 for medium and \$135 for hard. The medium and hard contain 5 and 10 per cent of iridium, respectively, for hardening purposes. Iridium was quoted last week at \$250 to \$300 an ounce. The incoming supply of platinum is so limited that further advances would not come as a surprise. Since Jan. 1 this year platinum has shown advances of \$38, \$40 and \$45 an ounce for soft, medium and hard, respectively. A good deal of platinum is being used in the manufacture of contact points for high tension magnetos for automobiles and auto trucks, and this apparently is one of the reasons for its present scarcity.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, 754-756

MAKERS ADVANCE BISMUTH PREPARATIONS

Prices on Bromides, Potash Permanganate, Acids Citric, Cream Tartar and U. S. P. Epsom Salt Higher—Quicksilver Continues To Advance—Menthol Back at \$6.25—Makers Advance Tartaric Acid

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Acetone, C.P., ½ lb.	Glycerin, dyn., ½ lb.
Acid Citric, Imp., 1½ lb.	Menthol, 25c lb.
Acid Tartaric, 2c lb.	Mercury, \$1.00 flask
Imported, 1c lb.	Potash Bromide, 2c lb.
Bismuth Salts, 5c-20c lb.	Potash Permanganate, 2½c lb.
Cream Tartar, Imp., ½ lb.	Sodium Bromide, 2c lb.
Epsom Salt, U.S.P., 25c 100 lbs.	Thymol, U.S.P., 10c lb.
Declined	
Sparteïn Sulfate, 5c oz.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$30	\$30	\$30	\$33	\$2.00	\$20
Acid Citric, Import .....	.48	.45	.44	.45	1.25	.45
Caffeine Alkaloid	3.75	3.75	3.75	5.00	18.00	3.65
Calomel, American	1.00	1.00	.94	.82	3.43	.90
Camphor, Jap., ref. ....	.83	.83	.83	.70	3.55	.41
Iodine, Resublimed	4.40	4.40	4.20	3.50	5.00	3.75
Menthol	6.25	6.00	6.25	4.30	13.50	3.00
Morphine Sulfate	5.35	5.35	4.90	4.80	12.30	4.50
Potassium Bromide, Cryst. ....	.23	.23	.23	.24	4.30	.30
Quinine Sulfate, Imp. ....	.50	.50	.50	.67	.90	.25
Sodium Salicylate .....	.36	.36	.36	.30	4.25	.27
Strychnine Sulfate .....	.76	.76	.76	1.35	2.05	.50
Average	2.01	1.99	1.95	1.58	5.92	1.56

With the tariff likely to go through at any moment buyers and sellers alike are not disposed to transact business on affected items. Consumers would rather take on requirements in a settled market and holders look for a general stiffening in prices all along the line. Practically all activity is of a speculative nature. Importers are not inclined to move any of their spot goods as replacement values will be higher, and in some cases are quoting above American makers' prices. Among the imported items sodium and potash bromides, potash permanganate, citric and tartaric acids, U. S. P. epsom salts and mercury have increased in price. Acetone is not offered in most instances and is quoted higher. Menthol moved up to the position which it occupied a week or so ago. Sparteïn sulfate furnished the only decline, being reduced on competition.

Acid Acetyl Salicylic—Makers continue to quote on a basis of 85c for 100 lb. lots and over. Resellers are able to offer but little material and are not vital factors in the market. The season for this article is just commencing and with the advent of winter an even better demand should be in evidence.

Acid Citric—American makers are getting most of the business that is passing, as importers are not anxious to sell. Domestic material continues at 45c@45½c for crystals and 46c@46½c for powdered. Imported goods are held at 46½c@47c.

Acid Salicylic—U. S. P. material quoted at 29c unchanged in first hands. Resale material practically cleaned out. Expected additional advance has not developed as yet and until the carbolic acid situation is thrashed out the market will be subject to change at any moment.

Bismuth Salts—American manufacturers of bismuth preparations have advanced the price schedule owing

to the higher cost of production. The new schedule names the following prices, basis 25 pound lots: subnitrate, \$2.45; subbenzoate, \$2.98; subgallate, \$2.36; oxychloride, \$2.92; salicylate, \$1.85; subsalicylate, \$2.68; tannate, \$2.25; and ammonium citrate, \$5.40; betanaphtholate, \$2.95; citrate, \$2.55; nitrate, \$1.64; phenol-sulfonate, \$2.80, subcarbonate, \$2.75 per pound. The metal price went up to \$2.44 pound.

Acid Tartaric—Manufacturers have advanced quotations for acid tartaric and now quote on a basis of 32c lb. for crystals in barrels. Imported tartaric is materially firmer and spot goods have again moved up, now standing at an inside of 30c lb. for crystals and powder. The prospects of a higher tariff and heavy buying are responsible for the higher figures.

Bromides—Imported sodium and potash bromides are higher and are likely to continue to advance, as new tariff approaches passing. Ammonium bromide did not advance this week due to large amount on spot, but is firm and tending upward. Prices are now at 15c@16c on potash, 17c@18c on sodium and 14c@15c on ammonium. Most of the buying is of a speculative nature, although some orders from consumers are noted. American makers' prices unchanged.

Camphor—Japanese slabs are still quoted at 83c on spot, but better can be done for arrival. For late September 81c is quoted. For October-November 80c can be done. Tablets are at 95c. American tablets selling at 95c@98c; bulk gum at 90c.

Cod Liver Oil—In better demand at \$23.00@25.00 a barrel for Norwegian according to quantity and brand.

Cream Tartar—Imported goods again higher and additional advance looked for as tariff prospects brighten. Now at 24c@24½c lb. Domestic material continues at 26½c. Fair volume of business reported done during the week.

Epsom Salt—Advance in price of imported U. S. P. salt on strength of new tariff. Quoted at \$2.00 inside for 100 lb. quantities. American goods at \$2.50@2.75.

Formaldehyde—Firm and scarce at 9½c for carboys or barrels in less than carload lots at works. Manufacturers are not able to fill carload orders but are quoting 9c lb. for future delivery. Raw material is quite high in price and until some settlement is reached formaldehyde situation will be unsettled.

Glycerin—Dynamite glycerin is up to 17c inside and very little offered at that figure. Sales were noted during the week at 17½c. C. P. material did not move up as expected and can still be had at 17½c@18c. Cans at 18½c. Crude is scarce and is being held for high prices. Unless sellers of the raw material weaken, factors in this market say C. P. cannot help going higher.

Menthol—For a short week prices were at \$6.00 while certain factors engaged in a miniature price war. Evidently someone was eliminated, as the best heard on cases is again \$6.25. Less offered at \$6.40@6.50 lb. Activity among the consuming trade is not noticeable.

Mercury—The market has moved up another dollar as all signs point to an early tariff settlement. Now quoted at \$67.00@68.00 per flask on spot and little offered at those figures. Early this week there was a

seller at \$66.00. In the London market £13 5s is being quoted. For shipment the best that can be done is \$62.50 on basis of present duty, which amounts to \$75.50 under new tariff.

Quinine—One lot of Jap sulfate is still available at 49c@49½c as to quantity. The price, however, is generally 50c. Other grades at the same figure. A good demand for quinine salts is in evidence.

Saccharin—Makers quote \$1.90@\$2.00 unchanged, as to quantity. Very little resale goods to be had.

Santonin—Firm following last week's advance to \$172.00@\$175.00 for whole and \$173.50@\$176.50 for powdered. Some material in outside hands offered at \$170.00 inside.

Sparte in Sulfate—Lowered in competition to 40c basis on 25 ounce lots. Range is to 50c according to quantity.

Thymol—Firmer due to tariff influences. Named at \$4.20@\$4.40 as to quantity.

Fine Chemical Notes

The Industrial Alcohol Co., Baltimore, Md., is operating its Curtis Bay plant at full capacity for the first time in many months.

A. H. Pickering, of A. H. Pickering Co., London quicksilver house, is expected in this country the latter part of October. Mr. Pickering intends to remain here a month or so and will make a tour of the country.

Quicksilver mines are again reported operating in South Russia, having recently gone into new hands. At present there are said to be accumulated stocks of 240,000,000 pounds of ore at the plants, enough to keep them running for over three years.

Ethyl chloride cannot be sent by post in Germany, according to a recent ruling of the post office authorities. England also prohibits this practice. German manufacturers say they will now be at a disadvantage, as French makers can send the article through the mails.

India is producing a greater variety of chemicals, and those more extensively each year. A recent report indicates that among the materials on which manufacturing progress is being made are nitric, hydrochloric and sulfuric acids, alcohol, morphine, oleic acid, caffeine, collodion, ammonia and alum.

British Board of Trade figures on importations of fine chemicals show a decrease in value for the first half of 1922, as compared with the same period of 1921, of 1,250,000 pounds sterling. Great Britain is becoming chemically independent of outside sources of supply thanks to its comparatively new license system.

Prices are on the upgrade among medicinal chemicals. In the past month no less than twenty-five upward revisions of important character were made. With all factors reporting increasing business and with prospects of a speedy solution of the tariff, the industry is certainly ready for a return to normal conditions.

Fusel oil production in Czechoslovakia reaches about 150 metric tons each year, according to an official report. Only 5 per cent of this amount is consumed at home, the rest being shipped to other countries. Germany furnishes the principal market, with the United States, Holland, Austria, Hungary and Switzerland in the order named.

MAY INCREASE ALCOHOL WITHDRAWALS

The Federal Prohibition Commissioner has issued a bulletin to directors regarding applications for increase in withdrawals of distilled spirits. The bulletin says in part:

"Under Treasury Decision 3299 wholesale druggists holding permits to withdraw and sell intoxicating liquor in wholesale quantities may obtain an increase in the quantities of alcohol and potable liquors which are stated in their basic permits upon establishing that such increases are a business necessity.

"There are many long established, reputable manufacturers with national as distinguished from local reputations for making the highest quality of U. S. P., N.F. and special preparations who should not be hampered in their business by delay in granting increases. Applications by such well known manufacturers may be approved and forwarded by directors upon their own knowledge of the character and standing of such manufacturers.

"On the other hand, there is a vast number of individual and concerns who hold permits to manufacture the same and special formulas whose applications for increases should be carefully scrutinized. As to them, applications should be supported by verified statements covering a period of operation of at least three months, showing: first, the quantity of distilled spirits and wine withdrawn; second, the quantity used in manufacturing and on hand; third, the particular preparations in which the permittee specializes in preference to other preparations for which he holds permits; fourth, the quantity of each character of products sold and, if possible, to whom; fifth, the names and number of their salesmen; and sixth, the statement of their operations should be by month to enable comparison to ascertain if sales and the general business are increasing or diminishing.

"When this statement is submitted, the Director should cause an immediate inspection to ascertain its accuracy and the manner in which the permittee is maintaining the records which he is required to keep, and in general the good faith of the permittee."

ESTIMATE OF 1922 MENTHOL CROP

Y. Nakashima & Co., Japan, in writing to I. Ninomiya, New York importer, made the following statement in a letter dated Aug. 16 regarding the menthol situation in Japan: "Stocks and estimate crop of menthol crystals and peppermint oil are as follows:

Name of refiner	menthol crystals cases	peppermint oil cases
Kobayashi	1,000	1,300
Suzuki	200	300
Tasse	700	1,000
Naogaoka	300	400
Yazawa	50	50
Total	2,250	3,050

"An estimate of the 1922 crop of the San-Bi district is 70,000 kin of virgin oil which will produce 35,000 kin of menthol and 35,000 kin peppermint oil. The Hokkido district gives 700,000 kin which will produce 315,000 kin of menthol and 385,000 kin of oil. Besides the above, there are about 150,000 kin virgin oil which has not as yet been refined, from which 75,000 kin crystals and 75,000 kin peppermint oil will be produced."

The Malt Diastase Co., New York, has obtained a judgment for 785.65 against Irving Dorfman.

The Intermediate and Dye Market

Current Spot Quotations of Intermediates, pages 757-759

UNCERTAINTY UPSETS DYE MARKET

Delay in Congress Over Tariff Bill Causes Depression During the Week—Benzol Situation Expected To Clear with Resumption of Coal Operations—No Phenol Obtainable

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced			Declined		
	No Advances			No Declines		
Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, C.P. ....gal.	\$.30	\$.30	\$.30	\$.27	\$1.10	\$.26
Naphthalene, flake ....lb.	.07	.07	.07	.08	.16	.08
Phenol ....lb.	.20	.20	.18	.09	1.50	.45
Xylene, 2 deg. ....gal.	.45	.45	.45	.60	..	..
Toluene, pure ....gal.	.30	.30	.30	.28	..	..
Aniline Oil ....lb.	.14	.14	.14	.20	1.40	.10%
Benzaldehyde ....lb.	.55	.55	.55	.45	..	..
Betanaphthol, dist. ....lb.	.22	.22	.22	.36	1.50	.08
Paranitroaniline ....lb.	.75	.75	.75	.85	1.85	.08
Average	0.331	0.331	0.328	0.353	1.25	.167

Prices remain firm and demand is good in a few items. The uncertainty of the tariff situation has kept the manufacturers marking time until the tariff rates have been settled. The week has been depressing on the trade because of the conflicting actions of the tariff conferees and the House on the dye rates. Crudes are still firm. Benzol is very scarce but with the resumption of coal operations the situation will gradually clear up. Phenol is almost impossible to obtain though the price has not changed. The production of synthetic phenol will probably soon be under way as it is now possible to make it profitably. The only maker of natural phenol is sold far in advance and not anxious to take further orders at present. Benzoic acid is moving. Demand is good for aniline oil. Beta-naphthol has also been in fair demand.

Coal Tar Crudes

Benzene—Supplies are still scarce. Quotations are mainly future delivery as makers are sold in advance. 90 per cent is named at 27c@32c as to quantity at works. C. P. is quoted at 30c@35c as to quantity.

Naphthalene—Demand has not improved and the market is quiet. Supplies are plentiful and prices remain unchanged. Flake is quoted at 7c in carlots at works and balls at 8c. Outside sellers offer flake at 6¼c@6½c and balls at 7½c in quantity lots, New York.

Phenol—Demand far exceeds the supply and there seems to be none in sight. The price from makers is quoted at 20c but orders are not being taken very far in advance. Resale price are held between 20c and 22c.

Toluene—Position remains unchanged. Stocks are scarce. Prices are quoted by makers at 30c for tank car lots and 35c in drums at works.

Intermediates

Acid, Anthranilic—Demand is along routine lines. Prices are named at \$1.10@1.15 for technical and refined at \$1.30@1.35 as to quantity.

Acid, Benzoic—Moving in a fair way with prices steady. Technical is quoted at 50c@55c as to maker. U. S. P. is named at 60c@65c.

Acid, Gamma—Demand has been quiet except in small quantities. Ton lots are quoted at \$1.80 at works and in barrels at \$1.85.

Acid, H—There has been no activity. Prices are named at 75c@80c as to quantity at works.

Acid, Naphthionic—Supplies are plentiful with no signs of improvement in demand. Technical is quoted at 60c@62c in barrels and refined at 65c.

Acid, Salicylic—Prices remain firm at recent levels and demand is steady. Technical is offered at 26c@27c in barrels and U. S. P. at 29c in 100 pound barrels.

Aniline Oil—Demand has been good and is in a firm position. Makers' prices are quoted at 14c f. o. b. works in carlots. Smaller quantities are named at 14½c@15c.

Aniline Salt—Price is named at 20c per pound by makers. Demand has been improving.

Benzaldehyde—Technical is quoted at 65c in drums at works. U. S. P. named at \$1.40@1.50 in cans and FFC at \$1.60@1.70.

Dimethylaniline—Interest is at a standstill. Carlots of drums are quoted at 30c and in less than carlots at 32c@34c.

Diphenylamine—Price quoted at 54c@55c as to quantity. Demand is along routine lines.

Meta-Pheylenediamine—Demand is quiet and along routine lines. Quoted at 90c@\$1.00 by makers.

Nitrobenzol—Named at 8½c in carlots by makers and in 5 drum lots at 9c. Single drums at 9½c. Redistilled at 9c@10c.

Ortho-nitrophenol—Price is quoted at 70c@75c as to quantity. Demand has been quiet.

Ortho-toluidine—Has been moving in fair way. Prices are named at 16c@20c.

Para-amidophenol base—Routine demand. Prices quoted at \$1.10@1.25 as to quality and quantity. Hydrochloride is offered at \$1.20@1.25. Photographic, white needle crystals at \$1.50@1.65.

Para-nitroaniline—Activity has been increasing after a quiet period. Carlots are quoted at 73c and in barrels at 78c.

Para-nitrophenol—Makers' prices named at 75c though small quantities may be had at 65c@75c.

Para-toluidine—Quiet at 95c@\$1.10 depending upon quantity and seller.

R-Salt—Routine demand at 55c@65c per pound as to quantity.

Complaints that inferior dyes were used in low-priced cotton shirts have been filed by Southern merchants with the U. S. Chamber of Commerce and the National Retail Dry Goods Association. In the trade the impression seems to be that the dyes are all right but are improperly used. In other words, the dyes are commercially fast in the proper fabrics, but fade or run when used in other materials.

Dyestuff Notes

The Surpass Chemical Co., Albany, N. Y., has acquired property in Lawn street valued at \$4,500.

The Texas Hide and Leather Co., Yoakum, Texas, is building an addition to its tanning plant. J. B. Harris is general manager.

The Hulton Dyeing Co., 3819 Frankford ave., Philadelphia, Pa., will build a new two-story dye house at Wheatshaf Lane and Coral st. The cost is estimated at \$60,000.

The Atlantic Dyestuff Co. announces the placing on the market of Atlantic Patent Black R2 Extra, a sulfur color, to meet the demand for a black of a somewhat redder shade.

The Lunning Mineral Products Co., Richmond, Cal., manufacturers of paint products and pigments, has plans under way for the rebuilding of the portion of its plant recently destroyed by fire with a loss estimated at \$30,000.

The Fulton Dye and Chemical Co., 1823 West street, Chicago, has changed its name to the Consumers' Color and Chemical Co., Inc. The change was made to avoid misunderstanding due to the existence of a firm of similar name.

The North Hudson Color & Chemical Co., Union, N. J., has filed an amendment to its charter increasing its capitalization from \$100,000 to \$200,000 composed of 20,000 shares at \$10 per share. Isaac Berkowitz is secretary of the concern.

Dye importers are active, says the "Textile World," in attempting to secure signatures to a petition urging reduction of tariff rates on dyes as passed by the Senate. This activity was revealed in a letter to J. N. McCullough, consulting industrial manager of the National Association of Hosiery and Underwear Manufacturers, from the Berkshire Knitting Mills, Reading, Pa., whose secretary and treasurer, Gustav Oberlaender, refused to sign the petition.

An object lesson in the fastness of American dyes will feature the exhibit of the E. I. du Pont de Nemours & Co., at the Southern Textile Exposition to be held in Greenville, S. C., from Oct. 19 to 25. The exhibit will show a variety of fabrics made into delicate garments, one set of which will have been given repeated washings by a reliable laundry. Visitors will then be able to observe and compare the fastness and brilliancy of colors in washed and unwashed garments.

"Thioflavine T" or "Rhoduline Yellow," a bright greenish yellow dyestuff previously only produced in Germany, and the history of which has a special interest in the British color industry, is now being manufactured by the British Dyestuffs Corp. This dyestuff was discovered in 1888 by Prof. Arthur G. Green and the late Dr. T. A. Lawson but the firm for which they were working did not take the matter seriously and the color was never produced. The discovery and preparation of the dyestuff was published a year later and about the same time was put on the market by Cassella & Co. of Frankfort, Germany. The English product, it is stated, is fully equal to the German in quality. Its manufacture is being commenced under the direction of the original discoverer.

DYE IMPORTS IN JULY

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 20.—The imports of natural indigo during July amounted to 1,543 pounds valued at \$4,168, all from Switzerland. Imports of alizarin and other dyes follow:

Alizarin & alizarin dyes		Colors or dyes	
	pounds dollars	pounds dollars	
France	—	2,170	4,198
Germany	31,928 55,337	64,401	73,659
Italy	2,609 2,463	5,948	6,828
Netherlands ..	4,702 3,723	4,453	3,632
Switzerland ..	551 2,063	77,450	128,635
England	2,774 2,591	9,854	11,998
Japan	—	128	124
Canada-Quebec and Ontario	—	64	99
Total ..	42,564 66,177	164,468	229,173

Extracts and decoctions for dyeing

Countries	lbs.	\$
France	200	85
Germany	470	979
Italy	2,240	112
Switzerland	5,022	714
Dominican Republic	4,780	400
Haiti	1,377	123
Japan	1,350	109
Total	15,439	2,522

REJECTION OF DYE EMBARGO A SURPRISE

Dyes formed one of the chief topics of conversation at the Eighth National Exposition of Chemical Industries held in New York this week, says the "Textile World" of Sept. 16. Discussion centered around two phases, one being the absence of many important domestic manufacturers from the ranks of exhibitors, and the other on the kaleidoscopic changes in the dye embargo situation which took place during the week.

While the exposition was being whipped into shape it was generally believed that the dye embargo plan had been killed, and in fact it was understood that many dye firms did not feel justified in going to the expense of exhibiting while the future status of the industry remained in doubt. Consequently genuine surprise and relief were expressed when it became known on Monday that the conference report contained provision for continuance of the Dye and Chemical Control Act of 1921 for one year after passage of the tariff bill, with power given the President to extend it for still another year if found necessary.

Optimism at the exposition was further strengthened by word from Washington on Tuesday afternoon to the effect that the House had defeated an attempt to strike out the dye embargo clause on a point of order.

Satisfaction was shortlived, however, for on Tuesday night the House returned the bill to conference with instructions to eliminate the dye embargo and the potash duty. Thus uncertainty once more shrouds the future of the domestic industry.

The Krieger Color and Chemical Co., Los Angeles, Cal., has moved to 314 South Los Angeles street, where the company has established a laboratory and warehouse for aniline dyes, dry colors, bronzes and chemicals.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 767

LESS DEMAND FOR LINSEED OIL

Other Vegetable Oils Gaining Strength—Olive Foots Advanced on Increased Buying in Germany—Palm Oil Slightly Higher—China Wood Oil Firmer

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Olive Oil Foots, 1c lb.	Perilla, ½c lb.
Palm Oil, Lagos, ½c lb.	Chinawood Oil, ½c lb.
Declined	
Linseed, 2c gal.	Coconut Oil, Ceylon, ½c lb.
Corn Oil, ¾c lb.	Soya Bean Oil, Ref., ½c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N.F.....gal.	\$.54	\$.54	\$.56	\$.44	\$1.27	\$.36½
Degras, American, bbl....lb.	.04	.04	.04	.05	.25	.08½
Lard, No. 1.....gal.	.75	.75	.73	.65	2.90	.92
Menhaden, crd. bbls....gal.	.40	.38	.45	.30	1.20	.35
Neatsfoot, 20 deg. c.t.gal.	1.35	1.35	1.35	1.00	3.45	.96
Red Oil, distilled.....lb.	.08½	.08½	.08½	.06½	.17	.07
Stearic Acid, T.P.....lb.	.10½	.10½	.10½	.10½	.33	.12
Coconut, Ceylon						
Dom., bbls.....lb.	.08½	.08½	.08½	.10	.20	.14
Cottonseed, crude, tanks.lb.	.07	.07½	.09½	.05½	.25	.08
Linseed, carlots.....gal.	.88	.90	.86	.74	1.88	.57
Olive, denatured.....gal.	1.15	1.15	1.12	1.45	4.50	1.05
Peanut, refined.....lb.	.12½	.12½	.12½	.10	.30	.08
Soya Bean, bbls.....lb.	.12½	.12½	.12½	.07½	.19½	.07
Average.....	.0439	.0439	.0439	.0380	1.30	.0362
Average.....	.0441	.0434	.0439	.0380	1.30	.0362

Demand for linseed oil has fallen off somewhat and it is again back in the position it held a few weeks ago. In general, sales have been confined to small quantities. Firmness in other vegetable oils is being shown. China wood oil is in much better demand. Olive oil foots have been advanced on higher quotations from abroad due to increased buying in Germany. Palm oil is firmer and has advanced slightly. Perilla oil is strong and shipment prices are higher. A better feeling is shown in peanut oil. Rapeseed oil is also firmer. Castor oil is gaining strength. Soya bean oil is in an easy position. There has been little business in animal oils and prices are tending easier. Menhaden has fallen off slightly in demand. Turpentine still continues advancing in price on increased demand from London. Rosin has declined from last week's prices.

Vegetable Oils

Castor Oil—Firmer with no change in price. No. 1 in barrels is quoted at 13c and No. 3 at 12c@12½c.

China Wood Oil—Increased demand has put this oil in a firmer position. Spot is quoted at 12½c@13c. Shipments to New York at 12½c@13c c. i. f. New York in barrels. In sellers tanks at coast at 12½c@12¾c.

Coconut Oil—Prices are still easy with fair supply of stocks. Ceylon in barrels New York is held at 8½c@8¾c. In tanks at 6¾c@7c. Cochiti in barrels New York at 9¼c@9½c and in tanks at 8½c@8¾c. Manila in tanks at coast named at 6c@6¼c.

Corn Oil—Movement is sluggish with prices easier. Refined in barrels New York named at 12¼c@12½c. Crude in barrels New York is offered at 10½c@10¾c. In tanks at mills at 9¼c@9½c and in barrels at 8c@8¼c.

Cottonseed Oil—Trading has been quiet. Prime summer yellow on market at 8.40c@9c for Septem-

ber to 8.08c@8.15c for April. Interest is centered in November and March. Southeast is quoted at 6.25c.

Linseed Oil—Crushers are again naming 88c for carlots, and in smaller quantities at 91c@93c. Boiled is offered at 93c for five barrel lots and doubled boiled at 94c. Futures are also quoted at slightly lower figures. London linseed oil is higher at 36s. Antwerp dropped to 210 francs from 217 last week. Flaxseed prices remain quite steady. Duluth cash is offered at \$2.28 for October, November at \$2.30 and December at \$2.25. Winnipeg is slightly higher at \$1.96 for October and May at \$1.84. Buenos Aires is easy at \$1.68 for October.

Olive Oil—Prices remain firm at \$1.15@1.18 for denatured in barrels at New York. Edible is quoted at \$1.80@2.10. Foots are higher on increased demand abroad. Barrels New York named at 9c@9½c. Shipment prices are also at 9c@9½c.

Peanut Oil—Demand has improved. Refined in barrels New York named at 12½c@13c. Crude in buyers tanks at mills at 8½c@8¾c. In barrels New York 12c.

Palm Oil—Firmer on greater demand. Lagos quoted at 7½c@8c, and Niger at 6½c@6¾c. Bonny old Calabar at 6¾c@7c.

Perilla Oil—Market is becoming strong. Barrels New York named at 13½c@14c. Shipment, c. i. f. New York in barrels at 13c@13½c, and in cases at 12¼c@12½c.

Rapeseed Oil—Market is somewhat firmer. Refined in barrels New York is quoted at 80c@83c and blown at 92c@95c.

Soya Bean Oil—Fair movement on a firmer basis. Crude in barrels New York is offered at 12½c and refined at 13c@13½c. American pressed crude in barrels New York at 11c@11¼c. Bulk shipments c. i. f. New York in bond at 5.8c and at the coast at 5.3c. Coast crude in tanks at 10c@10½c.

Animal Oils

Degras—English is easy at 3¾c@4c against American at 4c@4¼c. Neutral is quoted at 8½c@9½c as to quality.

Lard Oil—Slow demand. Prime technical at 10¾c@11½c as to brand and prime edible at 14¼c. No. 1 holds at 10¼c; No. 1 extra at 11¼c. No. 2 is quoted at 9¾c.

Neatsfoot Oil—Remains steady at prevailing prices. 20° cold test in barrels New York at 18c@20c per pound. 30° cold test at 14¾c. Pure in barrels at 12¾c.

Oleo Oil—Market has been featureless. No. 1 in barrels New York quoted at 12½c and No. 2 at 11¼c. No. 3 holds at 10¼c.

Tallow Oil—Acidless in tanks New York at 10½c. In carlots of barrels at 10¼c.

Fish Oils

Cod Oil—Little interest is being shown by buyers. Newfoundland in barrels is quoted at 54c@58c. In tanks New York at 53c@55c.

Menhaden Oil—Demand is improving and prices remain firm. Crude in barrels at works held at 42c@43c and in tanks at 40c@41c. Light strained in barrels

quoted at 54c and in tanks at 60c. Yellow bleached at 62c and extra bleached at 65c New York. Blown at 70c.

Herring Oil—Remains firm on scarcity. Prices quoted at 42c@43c in barrels New York.

Whale Oil—Moving slowly without change in price. Natural winter in barrels at 70c and bleached winter at 75c. No. 1 crude, tanks at coast 6c. No. 2 at 5½c.

Naval Stores

Turpentine—Has continued its advance of last week on increased demand from London and is now firm at \$1.32 in barrels ex yard. Savannah is steady at \$1.25, 2c higher than last week. London prices have advanced to 101s per quintal.

Rosin—Prices dropped 10c during the week for all grades. B is quoted at \$6.25; D-M at \$6.55; N \$6.90; WG \$7.65, and WW at \$8.15. Rosin oil remains steady at 40c for first run.

Oil Trade Notes

The output of olive oil in Spain during 1921-22 was 276,050 tons, as compared with 316,964 tons in 1920-21.

The Certain-Teed Products Corp. has declared the usual quarterly dividends of 1¾ per cent, each, on the first and second preferred stocks, both payable Oct. 2 to holders of record Sept. 20.

The Pittsburgh Plate Glass Co., Newark, N. J., will begin the construction at once of a one-story plant 66x110 feet to be equipped for the manufacture of linseed oil products. The cost will be about \$160,000.

Atlantic Coast Fisheries Co. preferred and common stock, amounting to 100 shares each, was sold in the Auction Salesroom in Vesey street last week. The 100 shares of preferred sold for \$942 and the common \$15 for 100 shares.

John T. Robertson, of Manchester, Conn., president of the Oxford Soap Co., died on board the White Star Liner Olympic on the trip to New York where the steamer arrived on Tuesday. He had been in failing health and went abroad to recuperate. Mr. Robertson was formerly in the soap business in Syracuse, N. Y., and in Canada.

Soya bean oil may be used in varnishes without other oils, says the Raw Materials Review, provided that tungstates of lead, cobalt, manganese, double tungstate of lead or manganese are employed in proportions up to 6 per cent as driers. Better results are said to be obtained when the oil is mixed with proper proportions of linseed oil or China wood oil. Cold pressed soya bean oil may be converted into a thick, viscous product with a specific gravity of .96 and over by heating it to 500° C. for from five to seven hours.

In a bulletin just issued by the United States Department of Agriculture, Dr. Eloise Gerry of the Forest Products Laboratory, Forest Service, describes the production of oleoresin from which turpentine and rosin are made. The crude gum is secured by wounding or cutting the tree with a sharp instrument and catching the gum, which slowly exudes from the cuts, in cups hung on the trees. The gum is formed by the tree in an effort to protect the wound. As the wound is kept fresh by new cuts made every week, the tree is stimulated to produce much more oleoresin than normally.

PRODUCTION OF COTTONSEED OIL

The Census Bureau estimates the production of crude cottonseed oil produced from Aug. 1 to Aug. 31, amounted to 13,354,344 pounds, and the amount shipped out to 11,100,435 pounds. The supply on hand on Aug. 31, last, was 10,038,509 pounds, compared with 16,196,900 pounds on Aug. 31, 1921.

The production of refined oil from Aug. 1 to Aug. 31 was 9,184,778 pounds, and the supply on hand on that date was 106,370,521 pounds, compared with 155,807,806 pounds on Aug. 31, 1921.

The output of cake and meal from Aug. 1 to Aug. 31 was 22,948 tons and the amount shipped out 45,067 tons. The supply on hand on Aug. 31, last, was 45,269 tons, against 29,955 tons on Aug. 31, 1921.

JULY EXPORTS OF ROSIN

Exports of rosin during July amounted to 102,863 barrels valued at \$577,872, according to the Bureau of Foreign and Domestic Commerce. The largest shipments were 38,336 barrels valued at \$221,256, to England; 17,875 barrels valued at \$92,661, to Germany; and 4,444 barrels valued at \$25,982, to Argentina.

Exports of turpentine during July were 1,052,298 gallons valued at \$1,202,322. The largest shipments were to the Netherlands, 103,210 gallons valued at \$123,497; to England 577,534 gallons valued at \$668,000; to Australia, 191,170 gallons valued at \$206,420.

Flames which are said to have started from sparks from a Long Island Railroad engine destroyed the Dumont Paint Works, 33 Rockaway Road, Jamaica, on Sept. 17. The loss on buildings and contents, together with damage to an adjoining newspaper plant, is estimated at \$50,000. The firemen reported that a series of explosions occurred in the paint works.

G. A. Biesecker, manager of the trade sales division, paint department of the du Pont Co., reports that sales of pure white lead in oil during the past six months have been very successful. Indications are that the company will operate the lead plant to maximum capacity in order to supply the demand.

Hardened soya bean oil has been accorded free entry by a decision of the Board of United States General Appraisers. In an opinion by Judge Brown the customs board rules that this merchandise should have been permitted free entry under the provisions of Paragraph 561, Tariff Act of 1913.

The Santa Fe Railway announces a reduction in the freight rate on cocoa beans from San Francisco to Eastern points amounting to about 25 per cent. The reduction will become effective as soon as the concurrence of lines operating east of Chicago is secured.

Weir Merrywether, export manager for John Lucas and Co.'s New York branch, died of heart disease on the steamer Momus, Sept. 8, while on his way to New Orleans. He was 54 years of age.

The Marietta Paint and Color Co., High Point, Ohio, is planning the construction of a new four-story plant. The company makes a general line of paints and colors.

H. A. Antram, of the F. N. Burt Co., Buffalo, who made paper containers for the chemical trade, died Sept. 2 in Chicago. He was 58 years old.

The National Paint, Oil and Varnish Association is completing plans for its convention at Atlantic City during November.

The Crude Drug Market

Current Spot Quotations of Crude Dyes, pages 769-771

ERGOT CONTINUES ON DOWN GRADE

Holders of New Crop Willing To Sell on Small Margin of Profit—Agar Agar Advances Sharply on Spot Scarcity—Henna Leaves Higher—Aletris Root, Blackhaw Root, and Rhubarb Down—Tariff Exerting Little Influence in Slow Market

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Agar Agar, No. 1, 10c lb.	Fish Berries, 1/4c lb.
Buchu Leaves, 3c lb.	Henna Leaves, 5c lb.
Foenugreek Seed, 1/4c lb.	Mastic Gum, 10c lb.
Saffron Flowers, Val., \$1.00 lb.	
Declined	
Aletris Root, 2c lb.	Ergot, 7c lb.
Arabic Gum, sorts, 1/4c lb.	Henbane Leaves, 5c lb.
Blackhaw of Root, 2c lb.	Japan Wax, 1/4c lb.
Caraway Seed, 1/4c lb.	Poppy Seed, 2c lb.
Celery Seed, 1/4c lb.	Rhubarb Root, 1c lb.
Damiana Leaves, 1/4c lb.	Saffron Flowers, Amer., 10c lb.
Tolu Balsam, 2 1/2c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$23	\$23	\$23	\$22	\$90	\$12
Buchu Leaves, Short	.95	.92	1.00	.85	4.00	.85
Cantharides, Russian	3.50	3.50	3.60	1.85	9.00	2.10
Cocculus Indicus	.03 1/2	.03 1/4	.04	.07 1/2	.85	.08
Ergot, Spanish	.73	.80	1.00	1.30	4.50	.54
Insect Powder, pure	.52	.52	.52	.56	1.00	.28
Ipecac, Cartagena, pwd.	1.80	1.80	1.80	1.65	4.50	1.35
Nux Vomica	.07	.07	.07	.11	1.45	.07
Opium, gum	6.00	6.00	6.00	5.75	30.00	5.00
Rhubarb Root, H. D.	.48	.49	.55	.23	1.75	.15
Tragacanth, No. 1, ribbon	1.75	1.75	1.75	3.50	6.00	1.50
Wild Cherry Bk., thin nat.	.00	.00	.00	.09	.21	.07
Average	1.36	1.36	1.38	1.33	5.28	1.00

The tariff is having little effect on business or values in the crude drug market. Consumers continue to hold off as much as possible and are buying from hand-to-mouth as has been the case for months. Most factors among the millers look for a decided pickup as the weather becomes colder and the public demand for numerous medicinal preparations increases. Entrance of various new crops and the desire of most holders to make a quick turnover is having a weakening effect on prices. There is no denying the fact, however, that the large amounts of goods to be sold on consignment, which existed a short time ago, are being removed from the market. This tends to give the situation a more stable tone. Most of the price changes during the past week were declines. Rhubarb root, ergot, arabic sorts and Japan wax eased off further. Aletris root, blackhaw bark of root and American saffron flowers are reacting from their recent high levels. Buchu leaves are higher following a softening movement. Agar agar and mastic gum are sharply higher on spot scarcities. Fish berries and foenugreek seed are moving up. Valencian saffron is firmer. Henna leaves are practically off the market.

Agar Agar—No. 1 grade is scarce on spot and prices were sharply advanced to \$1.38 inside. Early this week \$1.35 was quoted but it is believed the figure was withdrawn. Other grades are without change ranging from 90c to \$1.05 as to quality.

Agaric—Prices are virtually nominal as very little, if any, material is available on spot. One house quoted \$4.00.

Aletris Root—New crop is beginning to arrive and easier figures are quoted. Named at 58c@60c lb. and is likely to be cheaper, say some sellers. Present high price due to spot scarcity.

Arabic Gum—On sorts the best price openly quoted is 15 1/4c lb. for ton lots. Ranges to 16c as to quantity. Reported that five tons were offered in the trade at 14 1/2c and even lower prices are said to have been quoted to large users. Other grades are unchanged.

Belladonna Leaves—Firm at 12c@13c lb. Most sellers are at the outside figure.

Blackhaw Root—Easier tone is evident as spot supplies become more plentiful. Goods have arrived which are selling under recent high figure. Offerings at 28c@30c lb. are heard.

Buchu Leaves—Low seller who was quoting 92c has advanced and the market for bales is generally at 95c. One odd lot of five bales is available at 92 1/2c lb. in bale quantities. Less than bales at \$1.00@\$1.05. Activity is lacking and the limited buying is widely spread.

Cantharides—Russian whole at \$3.50@\$3.60 lb. with powdered at \$4.00@\$4.25. Offerings at \$3.00 are not heard this week. Chinese unchanged at \$1.00@\$1.10 for whole and \$1.20@\$1.25 for powdered. Market continues dull and uninteresting.

Caraway Seed—Offered lower at 18c@19c lb.

Celery Seed—Cheaper lot available at 19 1/2c inside. Other quotations range to 21c as to quantity and seller.

Chamomile Flowers—Both grades reported firm abroad but strengthening effect is not noted in this market. Roman flowers quoted at 65c@70c and Hungarian at 26c@28c.

Cloves—The spot situation continues tight with very little goods to be had at the current high price of 36c@37c lb. Spice due in October named at 32 1/2c@33c lb. For November arrival 25c can be done. Clove oil distillers say they were offered at 18 1/2c for December-January arrival.

Damiana Leaves—Weak holder shading price to 9 1/2c lb. Other sellers are asking up to 11c.

Elm—Select goods unchanged at 27c@28c lb. Powdered offered from 13c to 17c per pound according to seller. Business is lacking at present but should pick up in the near future, say several factors.

Ergot—New crop offerings continue to weaken market. The best price named openly was 73c but it is understood that 70c was done in some instances. Material in bond is selling at 55c which means 65c laid down. Most holders are anxious to make a quick turnover and are willing to take very little profit to effect a sale.

Foenugreek Seed—Moving up following recent declines. Firmer price quotations from producing centers causing advance here. Now at 5c@5 1/4c lb.

Fish Berries—Low priced goods off the market and inside figure is now 3 1/2c. Range is to 4c as to quantity.

Henbane Leaves—Spot offerings of lower priced new crop goods at 55c@58c lb. Material is quoted for arrival, subject to passing, at 45c.

Henna Leaves—Practically no henna is obtainable on spot. The price advanced sharply to 24clb.

Japan Wax—Continues on the downgrade. Named lower at 15c@15½clb.

Mastic Gum—Advanced sharply to 55c@58clb. and holders say it is likely to go still higher. Spot stocks are very short and quotations for shipment are up. Goods to arrive are around 56c, first cost to sellers.

Poppy Seed—Dutch and German grades lower as more goods enter the market. Quoted at 16c@16¾c and 15¾c@16¼c respectively.

Rhubarb Root—New crop continues to ease off with whole root now quoted at 48c@50clb. Powdered goods down to 55c@58c. Values are soft.

Saffron Flowers—American flowers in better supply and have eased off to \$1.40@\$1.45 following recent advance. Valencian goods moving up on higher replacement costs. Now held at \$28.00@\$30.00 according to seller.

Sarsaparilla—Mexican soft at 32½c@33clb. Sales are reported slow.

Tolu Balsam—Quoted lower at 67½c@70clb. Market lacks interest from consuming trade.

Tonka Beans—Angostura beans now inside at \$2.25 on acute spot scarcity. Other grades unchanged.

Crude Drug Notes

J. S. Powell, of Arthur Stallman & Co., New York crude drug house, will return next week, from a month's trip through the South.

The new Hungarian tariff has been completed and sent to the Minister of Finance for revision and will be submitted to the National Assembly this fall.

At the instance of the American Chicle Co. the customs board reduced the duty on certain Mexican chicle from 20 cents per pound to 15 cents per pound under Paragraph 36, Tariff Act of 1913.

Since the close of the war India has made remarkable progress in the manufacture of pharmaceutical preparations, aloes, asafetida, belladonna, cinchona, digitalis, opium, nux vomica and other drugs, says an official report.

Owing to the present occupation of the island Chios, source of gum mastic, by the Greek army, offerings of that material for shipment are limited. The Greeks use large quantities of mastic as chewing gum and in the manufacture of candy.

The National Drug Stores Corp., operating stores in 26 cities throughout the country, is planning a new stock issue to enable it to establish 24 new stores in the next year and a half. Reports for 1921 show that the company's profits averaged 3c to every dollar of business. So far this year the average is 5c.

An article dealing with the history of cinchona appeared in a recent issue of the "Chemist and Druggist," London. It says that South America, Ceylon and British India, and then Java became the principal source of the world supply. The first living cinchona plant was carried to Java in 1852 by a sea captain. The first Government plantation was not established until 1869. Since 1892 the average quinine sulfate content of the bark has increased yearly, from 4.57 to 6.17 in 1916.

RAINS HELP VANILLA CROP

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Vera Cruz, Mexico, Sept. 9.—Abundant rain at night and hot days have been a great help to the vanilla beans in the Vera Cruz district. The Secretary of Industry and Commerce at Mexico City reports the following in regard to the new vanilla bean crop:

"The production of vanilla this year will be twice as much as last year's crop. The growers this year received an average price of thirteen pesos a pound for their vanilla beans. Since the production all over the world has greatly fallen off and the demand is much in excess of the supply, the prices for the new crop will be at least about the average price received this season."

The Papantla district, in this State (Vera Cruz) is the largest producer of vanilla. In the State of Puebla the districts of the plantations of San Jose Acateno (Tezuatlan), San Juan Tenexapa, Zacapoaxtla and Xopala are the chief producers.

The Department of Commerce announces considerable decrease in the activities of the establishments engaged in the manufacture of corn syrup (glucose) and starch during 1921 as compared with the year 1919. There were 39 establishments reported for 1921 and the total value of their products amounted to \$80,063,149 as compared with 56 establishments for 1919 with a total value of products of \$186,256,260. The decrease in the total value of products was 57 per cent.

The first number of "The Hospital Buyer," published in Chicago, has an article by Edmund L. Drach, of Chicago, on the market on drugs and chemicals with a chart of fine chemical prices reproduced from "DRUG & CHEMICAL MARKETS" showing the range for the years 1920, 1921 and 1922. Other features are "Hospital Ventilation," "Hospital Equipment" and supplies of all kinds.

The Silver Fox Beverage Corp., 539 Timpson Place, filed schedules in bankruptcy Sept. 18, listing liabilities of \$33,087 and assets of \$15,094, main items of which are fixtures, \$5,630; unliquidated claims, \$4,000; trucks, \$3,000. Principal creditors listed are William Davis, \$5,000, secured; Irving Davis, \$6,300; States Bank, \$2,000; Dodge & Bliss Company, \$1,834.

The July production of copper from the Calumet reclamation mill was in the neighborhood of 2,000,000 pounds, the largest on record. The Ahmeek's August production in refined copper is estimated at 1,500,000 pounds.

George W. Armstrong, of 78-80 Brod street, New York, has been appointed sole selling agent for the products of the Tryon Chemical Co., of Tryon, N. C., soap manufacturers.

The Chile Copper Co. reports a deficit of \$107,322 for the quarter ended June 30, 1922. This compares with a deficit of \$1,103,105 in the preceding quarter and a deficit of \$1,110,033 in the second quarter of 1921.

James S. Alexander, E. F. Daniels, Jr., and Samuel F. Pryor were elected directors of the American Agricultural Chemical Co. at the annual meeting of the stockholders.

Pfaltz & Bauer have obtained a judgment for \$1,181.47 against the E. A. Munns Kalsomine Co.

The Metals and Commerce Corp. has obtained judgment for \$524.20 against T. John McKee.

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 774; Aromatic Chemicals, page 775

TARIFF QUESTION PARAMOUNT

Uncertainty as to Date of Passage and Ultimate Form Upsets Market—Peppermint and Citronella Again Lower—Oil Cloves Softens Slightly—Lemon Firming—Caraway Higher—Sandalwood Reacts—Wormseed and Petit Grain Cheaper

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Caraway, 25c lb.	Oil Sandalwood, 10c lb.
Oil Lemon, 2½c lb.	Oil Spruce, 5c lb.
Declined	
Oil Bay, 5c lb.	Oil Erigeron, 25c lb.
Oil Bois de Rose, 25c lb.	Oil Peppermint, 10c lb.
Oil Citronella, 2½c lb.	Oil Petit Grain, 10c lb.
Oil Cloves, 5c lb.	Oil Wormseed, 10c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$3.60	\$3.60	\$3.60	\$5.50	\$7.00	\$5.00
Oil Citronella, Ceylon.....	.50	.62½	.75	.33	.92	.60
Oil Cloves	2.30	2.35	2.00	1.90	3.70	1.40
Oil Lemon .....	.70	.67½	.62½	.75	1.70	2.00
Oil Peppermint, Nat.....	3.00	3.10	3.50	1.90	9.00	2.25
Oil Sandalwood, E. I.....	6.75	6.65	6.85	6.50	13.50	5.25
Oil Sassafras, Artif.....	.42	.43	.42	.53	1.00	.26
Benzaldehyde, U.S.P.	1.40	1.40	1.40	1.30	5.15	1.50
Coumarin	3.50	3.50	3.50	4.50	31.00	3.10
Methyl Salicylate, Cans...	.41	.41	.41	.32	1.00	.90
Vanillin .....	.45	.45	.45	.50	.95	.29
Average	2.10	2.11	2.12	2.21	6.83	2.05

The tariff is monopolizing attention at present and is responsible for most activity. Prices are moving from day to day in accordance with ideas as to when the new bill will go into effect. Oils which will be duty free under the new tariff are weakening as consumers await lower prices. Petit grain has already declined and other oils which will go on the free list are in a similar position. Where the duty is to be increased, as on lemon, orange, etc., sellers are not anxious to dispose of stocks. Oil lemon has firmed in price. Until the bill is passed there is little prospect of a settled market. Values may fluctuate with individual opinions as to when the tariff will go through. Peppermint is easing in the country and is lower on spot. Citronella is falling steadily. Oil sandalwood has reacted from last week's low price. Caraway is scarcer on spot and prices are higher. Spruce is firmer. Cloves cheaper as situation clears. Oil wormseed is down.

Essential Oils

Oil Anise—Even though the duty will be removed from this article if the tariff goes through as is, prices for spot goods are showing no signs of weakening. A slump in the oriental market has been counteracted and quotations for shipment are again firm. Spot sellers are offering technical goods at 55c@60c and U. S. P. at 60c@65c.

Oil Bay—Lower figures are quoted on recent arrivals. Holders are naming oil bay at \$2.45@2.60lb.

Oil Bergamot—Little interest is being evidenced by consumers who are awaiting removal of duty as provided in the Fordney-McCumber tariff bill. Quoted at \$3.60@3.75 and weak thereat. On 25 copper lots \$3.50 might be done. Shipment prices make it possible to land oil a little under \$3.00 without duty.

Oil Bois de Rose—Evident lack of consuming demand has caused prices to ease off. Now quoted from \$2.75 to \$3.50 according to quality and amount.

Oil Caraway—Supplies are growing smaller in this market. Prices have again advanced. Crude is inside at \$4.00@4.25 and U. S. P. rectified is bringing \$4.25@4.50.

Oil Cassia—No \$1.85 goods available this week. Best price is \$1.90 and range is to \$2.00. Reports on foreign market indicate that shipment prices are rather high and that goods are not offered freely. One factor says he will have oil in two or three weeks at \$1.85.

Oil Cedar Wood—The best price for spot goods is 26c@27c lb. For shipment from the country 25c can be done. There is one seller in the country who is offering at less, according to reports.

Oil Citronella—Registered another decline during the week as increased spot holding and prospects of early passage of tariff exert pressure. Drums are available at 60c@62c and cans are at 62c@65c. Goods in bond are quoted at 50c lb. Further drop in price is expected.

Oil Cloves—Easing in some quarters. Cans are offered at \$2.30@2.35 and bottles can be had at \$2.35@2.40. Receipt of about 2,000 barrels of spice noted during the week. Quotations on spice for shipment scale downward as to date of shipping.

Oil Erigeron—New crop is entering the market and is available at \$2.25@2.50lb.

Oil Eucalyptus—U. S. P. goods bringing 37½c@40c lb. Drums of 500 pounds each can be had at 35c. Demand is picking up. With the increase in tariff rates prices are likely to firm up considerably.

Oil Geranium—Geranium oils, being among those on the free list in the new tariff, should be a little cheaper when the bill is enacted. Shippers are holding for their higher prices. Reports as to crop conditions are so conflicting that little credence can be accorded them. Bourbon is generally quoted at \$6.00@6.25 spot but \$5.75 is possible on 100 pound lots. Algerian at \$10.25 @10.50. Turkish is not called for at \$5.00.

Oil Lavender—U. S. P. goods offered at \$3.25@4.00 as to quality and seller.

Oil Lemon—The tariff question has upset the market for oil lemon. The probability of an increase from 10 to 30 per cent in the duty causes importers to change their prices almost daily, as the bill seems near to or far from passing. There is a general tendency, however, to hold onto goods wherein it is possible, and copers are not available under 70c. In most cases prices range up from 72c. Oil in quantity in tins can be had at 65c. For shipment 53c c. i. f. was heard.

Oil Limes—Both expressed and distilled goods weak at \$2.65@2.75 and 50c@55c respectively. On 100 pound lots of expressed goods \$2.50 net can be done.

Oil Linaloe—Continues firm at \$2.60@2.80lb. New crop should come in substantial volume shortly.

Oil Orange—Is in much the same position as is oil lemon. Prospects of high tariff inducing stronger holders to retain their goods. Consumers show little desire to take on stocks even though tendency is to firm-

er figures. Sweet West Indian at \$2.45@2.60, Italian at \$2.75@2.85, and American at \$2.90@3.00. Bitter oil at \$1.90@2.00.

Oil Pennyroyal—Some sellers are entertaining higher ideas on imported oil but small quantity available is offered at \$1.65@1.75lb. Spot stocks are not large but demand has fallen away.

Oil Peppermint—Natural oil is lower at \$3.00@3.10 spot. Redistilled U. S. P. down to \$3.25@3.35. Country holders are receding from their unusually firm positions and are selling around \$2.80 to the trade. Both consumers and dealers are buying only as they need stock to fill requirements.

Petit Grain—Is already feeling the effects of the proposed placing on the free list and has fallen off to \$1.80@1.90lb. On 100 pound lots \$1.75 can be done.

Oil Sandalwood—Lone seller at \$6.65 back to \$6.75. Range is to \$7.00. On sufficient quantity easier figures are quoted.

Oil Spruce—Scarcity has caused slight advance in price. Now quoted at \$1.05@1.20 as to seller. Firm and likely to go higher if much interest is shown by consumers.

Oil Tansy—Continues at \$9.50@10.00 for new crop goods.

Oil Wormseed—New crop oil is offered under previous figures. Sellers will do \$2.40@2.50lb.

Oil Wormwood—New oil selling at \$9.50@10.00lb.

Aromatic Chemicals

Synthetic are upset; until the tariff is disposed of in some manner the trade will hardly know where it stands. Prices on most chemicals have a wide range as to quality and seller.

Benzaldehyde—In fair demand with U. S. P. goods at \$1.40@1.50lb. FFC product is quoted at \$1.60@1.70.

Coumarin—Spot holdings continue limited with prices at \$3.50@3.75lb. Makers control the market.

Methyl Salicylate—Prices firm at 41c cans and 39c in drums. Resellers quote 40c@41c but have little to offer. Sales routine.

Musk—Musks are firming as spot holdings become limited. Prospects of a stiff duty also exerting influence. Xylene is particularly affected and no goods are to be had under \$2.50@3.00lb. Ambrette at \$12.00@14.00, and ketone at \$9.00@10.00.

Vanillin—With cloves in such a strong position it seems as though vanillin should feel some effect. However, prices remain at 43c for 400 ounce cans and 47c for 16 ounce cans.

Vivaudou, Inc., report that sales for this year are about 43 per cent ahead of 1921. After making provision for advertising, depreciation, and other items the net earnings average about \$3 per share. Last year the ratio of quick assets against liabilities was 2½ to 1. At the present time the ratio is 13 to 1.

The Crown Chemical, Indianapolis, Ind., which will change its name to the Boncilla Laboratories, has purchased the Hurst building, Pennsylvania and Georgia streets, Indianapolis. The company manufactures toilet products in which it has an international business with an annual volume of more than \$1,000,000.

The Arlington Chemical Co., 100 Hamilton street, Yonkers, N. Y., has awarded a contract to the Turner Construction Co., New York, for the erection of a new four-story plant, to include laboratory.

Essential Oil Notes

Imports of essential oils noted during the week were not large. Thirty eight cases of cassia, 25 cases of orange and 17 cases of sandalwood were received.

Sales of imported oil pennyroyal were reported in the trade at the prevailing market figure of \$1.65. The demand for this article is falling off or the price would go still higher.

With the entering of new crop oils, the uncertainty as to which way the tariff cat will jump, and the numerous strike difficulties, how could the trade or the consumer be expected to transact any real business during the past week?

Lemon oil seems to be having a particularly hard time. No sooner did the situation begin to right itself following violent price fluctuation of the summer months, than the tariff bugaboo jumped out and is causing price uncertainty to repeat itself.

Italian growers of materials used in the production of essential oils and owners of factories so engaged are exempt from income and land taxes on their properties. This arrangement was instituted in 1918 and is to remain effective until 1928 for the growers and 1923 for the manufacturers.

Essential oil houses were surprised that consumers did not buy Java citronella during the recent scarcity of and extreme high price quoted on the Ceylon article. Quotations on both oils were at one time identical and it seemed strange that advantage was not taken of the better quality Java oil.

Buyers of clove spice among the essential oil houses say that goods for October-December shipment have been quoted to them at 18½c duty paid on the basis of the present duty. The new tariff, if passed by the time of arrival would add but one cent, making the price a little more than half of the present market figure.

ESSENTIAL OIL PRICES AT MARSEILLES

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, Sept. 2.—Essential oils are very quiet and prices without change. Quotations per kilo are:

	Francs
Aniseed, Tonka	13.75
Rosewood	50
Cananga, Java	50
Citronella, Java	18
Ceylon	12
Geranium, Bourbon	125
Clove	44
Palmarosa	97
Patchouli	170
Petit grain	48
Sandalwood	150
Vervain	22
Vetivert, Bourbon	115
Ylang Ylang, Bourbon, 1st quality	125
Ylang Ylang, Bourbon, 2nd quality	70
Gingergrass	45

The King Extract Co., San Francisco, is adding several thousand dollars worth of new equipment to its plant, laboratory and research departments. A graduate chemist has joined the laboratory staff and much of the new equipment has been added at his suggestion.

The Consuming Industries

EMPLOYMENT IN CONSUMING TRADES SHOWS STEADY INCREASE EACH MONTH

More Workers In August in the Tanning, Leather, Rubber and Textile Plants, Except Silk Factories—Confectionery, Cocoa and Chocolate Industries Report Large Increases

(Special to DRUG & CHEMICAL MARKETS)

Albany, Sept. 20.—A 2 per cent gain in factory employment occurred in August instead of the summer reduction that is usual in that month. Substantial increases in employment in the metal working industries were the principal factors in the increase, according to the statement issued by the Industrial Commissioner, Henry D. Sayer.

With the exception of temporary recessions in January and April, the volume of factory employment has been rising for the past year. The increase from August, 1921, to August, 1922, is nearly 13 per cent.

The steel industry showed no general change during the month. One mill was reopened after being closed for more than a year and a few others reported greater activity in August, but moderate reductions were reported in several of the larger mills. The shortage of fuels was given as the reason for some reductions.

Other August gains in the metal working industries occurred in the silverware, enameled ware, metal furniture, structural steel and ship building industries and in a few plants making cutlery, tools, metal stampings and optical goods. The aircraft industry also reported more workers in August after gaining steadily since the first of the year. Plants manufacturing the higher priced automobiles reported a substantial increase in employment, but factories making parts or accessories reported smaller forces than in July. A slight but rather general reduction in employment was reported by the laundries.

An increase in employment in the shoe industry was due chiefly to the increasing forces in Rochester factories, where a strike has been in force for several months. More workers were employed in the tanning industry and in some leather goods and glove factories in August than in July. A seasonal gain was reported in the fur goods industry. The rubber goods industry reported less employment except in the tire factories.

The August changes in employment in the textile industries were not of great importance. Summer shutdowns caused a marked reduction in employment in the silk goods industry. The knit goods industry showed an increase, chiefly because of the reopening of mills that were closed in July. The woolen and worsted mills reported no important change from July employment.

The food products industries as a whole showed a slight reduction in employment. The canning industry was not so active in August as in July, and reductions in employment were also reported in the meat packing and dairy products and baking industries. A large increase occurred in the confectionery industry following the usual low level of employment of the early summer. More workers were also reported in the cocoa and chocolate industry.

The Caledonia Woolen Mills, Clifton Heights, Pa., is erecting a new dye house on its property in that city.

CONVENTIONS OF TRADE INTEREST

Conventions of interest to the drug, chemical and allied industries will be held during October, as follows:

National Wholesale Druggists' Association, Colorado Springs, Col., Oct. 2-5. C. H. Waterbury, 51 Maiden Lane, New York.

National Association of Cotton Manufacturers, Atlantic City, N. J., Oct. 4-5. H. C. Meserve, 45 Milk street, Boston.

Whistle Bottlers' Convention, Atlanta, Ga., Oct. 15-17. P. B. Thompson, 2916 Locust street, St. Louis, Mo.

American Pulp and Paper Mills Superintendents' Association, Chicago, Oct. 16. Miss P. C. Barrett, Regent Theatre Bldg., Kalamazoo, Mich.

Society of Industrial Engineers, New York, Oct. 18-20. G. C. Dent, 327 S. La Salle street, Chicago.

American Manufacturers Export Association, New York, Oct. 25-26. A. W. Williams, 160 Broadway, New York.

New Consuming Companies

Phonograph Corp. of Indiana, Edison Laboratories, West Orange, N. J., \$125,000. To make phonographs and records. Corporation Trust Co., 37 Wall st., New York.

G. A. Goodnow Shoe Co., Boston, \$150,000. C. A. Goodnow, Natick; John T. Hollis, Hingham; E. W. S. McKloskey, Quincy. Quaker Shoe Co., Lowell, Mass., \$20,000. Jacob Jarnes, Harry A. Kimball, Beverly, Paul Harsfield, Salem.

D. G. Dery Corp., Dover, Del., \$25,000,000. To make imitation silk, silk and cotton. J. W. Perkins, Sylvan Gotshal, Walter Mendusohn, New York. U. S. Corporation Co., Dover.

Star Textile Mills, Wilmington, Del., \$250,000. Corporation Trust Co. of America.

American Medicinal Importing Co., Wilmington, \$25,000. Corporation Trust Co. of America.

H. O. Boehme, New York, \$25,000. To make metallic compounds. H. O. Boehme, K. Braun; attorney, P. C. Schnitzler, 35 Nassau st.

Tex Products, Brooklyn, \$10,000. To make cleaning powders. H. Pearlman, H. F. Pearsall; attorney, S. Rosenfield, 808 Broadway, Brooklyn.

Metalon Products Co., Dover, Del., \$600,000. To make cement. Richard M. Page, Newark, J. T. C. Lowe, Saratoga Springs, Albert Sworts, New York.

Richardson Refining Co., Dover, Del., \$250,000. W. D. Richardson, W. R. Douglass, Philadelphia. Corporation Service Co.

Southern Boll Weevil Exterminator Co., New York, \$100,000. U. S. Corporation Co.

Chapman Products Co., Centerdale, R. I., \$25,000. To make germicides. M. L. Merithew, R. S. Thornton, E. B. Chapman.

Columbia Leather Goods Corp., New London, Conn., \$500,000. To operate a tannery and make leather goods. I. C. Delgado, S. Friedman, M. P. Breen, 54 West 90th st., New York.

Venezuela Oil Corp., Boston, \$300,000. To make petroleum products. Raymond D. Smith, 55 Congress st.

Benson-Tharpe Paint Co., Birmingham, Ala., \$50,000. Y. K. Benson, W. A. Tharpe, Birmingham.

Industrial Producers and Refiners Association, Wilmington, Del., \$12,000,000. To make petroleum products. Corporation Trust Co. of America.

Maxudin & Co., Inc., New York, \$100,000. To make oil products. W. R. Fuller, R. Q. Kelley, F. H. Medbury; rep., Niles & Johnson, 54 Wall.

Bridgeport Bronze Co., Bridgeport, Conn., \$200,000. H. M. Trainor, H. L. Schaff, Jonathan Groat, 886 Main st., Bridgeport.

Straw Cellulose Products Co., Portland, Me., \$1,000,000. C. M. Drummond, R. B. Buzzell, W. B. Drummond, Portland.

Indiana Oil & Sulfur Co., Mooresville, Ind., \$500,000. To make oil, sulfur and affiliated specialty products. H. M. and A. L. Thomas, P. H. Hill, Mooresville.

Globe Rubber Products Co., Cleveland, \$50,000. To make rubber specialties. H. L. Smith, M. L. Merchant, J. M. Whitford, Cleveland.

Grapho Crayons Co., St. Louis, \$50,000. W. L. Deist, R. H. Taylor, St. Louis.

CANADA'S GAIN IN NEWSPRINT PAPER

While the United States leads in the production of newsprint paper, the Canadian mills are growing rapidly, according to an analysis made by the Paper Division of the Department of Commerce, and statistics show that there was a marked increase in production during the first six months of 1922 as compared with the corresponding period in 1921. Canada during the period, Jan. 1 to June 30, 1921, produced 373,988 tons as against 615,448 tons produced in the United States. In the corresponding period for 1922 Canada produced 516,506 tons as against 690,142 tons produced in the United States. This shows an increase of 38 per cent in Canadian production as against 12 per cent in American production.

"If this industry is to be kept alive in the United States," says the Paper Division, "the main problem confronting us is, without question, the supply of pulp wood. It would perhaps be impossible for anyone to make a definite statement as to our total resources, but we do know for a certainty that the supply in our Eastern and Lake states is inadequate. In the East we have mills without forests whereas in the Western states and Alaska we have the forests with a practically unlimited supply without adequate production facilities. Cost of transportation prohibits bringing western pulp wood to eastern mills."

SETTLING THE RHODE ISLAND STRIKE

(Special to DRUG & CHEMICAL MARKETS)

Providence, R. I., Sept. 20.—Cotton textile trade circles confidently expect settlement of the eight months' strike in all plants in a few days. The restoration of the January wage rate in the plants of the Goddard Brothers in the Blackstone Valley and in the Hope mill of the company in the Pawtuxet Valley, as well as in the plants of B. B. & R. Knight, Inc., the Interlaken Co. and the Crompton Co. is the forerunner of peace all over the State, it is generally believed.

The strike at the International Cotton Mills, formerly the Bay State Cotton Corp., Lowell, Mass., which went into effect Feb. 13 last, as a protest against a wage reduction, has been called off by officers of the Lowell Textile Council, an organization composed of representatives of the various textile unions affiliated with the United Textile Workers of America. This action was taken after the strike leaders had been assured that there will be no discrimination at that mill against the strikers.

Textile mills in Maine and Massachusetts are restoring previous wage scales. The Papperell Manufacturing Co., Biddeford, Me., announced a 20 per cent advance; the Androscoggin, Hill, Bates and Continental Mills, Lewiston, Me., an advance of 20 per cent; the Ludlow Manufacturing Associates restored recent wage cuts. Business improvement is responsible for the advances.

TO MAKE PAPER FROM COTTON LINTERS

The Trinity Paper Mills Corp. of Dallas, Tex., will erect a \$500,000 paper mill for the manufacture of high grade products from cotton linters. The plant will have a capacity of 20 to 30 tons of paper daily. A similar plant is now in operation at Commerce but its output is much smaller. Officers of the company are:—J. W. Webb, president and treasurer; J. M. Irwin, vice-president; P. H. Diggle, secretary, with Adam H. Davidson and W. M. Cannon on the Board of Directors.

Trade Tips for Sellers

The Benz Kid Co., Lynn, Mass., has increased its production to 1000 skins daily.

The American Window Glass Co., Jeannette, Pa., is now operating at full capacity and wage increases have been made.

The Gratton & Knight Mfg. Co., Worcester, Mass., is increasing its output at its tannery and is now operating at about 75 per cent of normal.

The Monterey Iron & Steel Co., Monterey, Mex. soon will be operating at full capacity. The daily output was recently increased from 400 tons to 500 tons and will soon be at the maximum of 600 tons.

The Tonowanda Board and Paper Co., Goose Island, Tonowanda, N. Y., which has been closed for two years, will resume operation at once. The company is under new management. Maurice W. Simon is president.

The assets of the Empire Tire and Rubber Corp. were sold to Campbell, Heath & Co., 5 Nassau street, New York, for \$1,675,000. The new owners will operate the plant with C. Edward Murray, Jr., Trenton, N. J., as manager.

Silk makers in the Paterson, N. J., district report a greater volume of sales than heretofore. They say that orders are coming in regularly and they expect continued improvement. Silk prints and sheer crepes are particularly active.

The Temiskaming Pulp and Paper Co., Haileyburg, Ont., recently completed a \$1,000,000 mill. Operations will begin at once and the mill will be running at full capacity as soon as possible. It will have a daily capacity of forty tons of ground-wood pulp.

The Jespersion Newsprint Co., Lambertville, N. J., has completed extensive building operations on its plant acquired from the Perseverance Paper Mill Co. recently. Henry Weeks, general manager of the concern, says the plant will operate at capacity at once.

Conference committees of the National Brotherhood of Operative Potters and the Sanitary Manufacturers' Association failed to reach a settlement on terms for their new biennial agreement for the sanitary branch of the pottery industry. The meeting came to a sudden end on Friday Sept. 15, at Atlantic City.

The shortage of desirable heavy leather has become more marked and some shoe manufacturers are unable to obtain it in the quantity or weight desired. Reflecting this condition, heavy backs and heavy cut soles have been marked up during the past few days and advanced prices are being easily obtained. The recent advances in upper leather are also being maintained without diminution in sales.

A petition in bankruptcy was filed Sept. 15 against the Gatti-McQuade Company, makers of paper pulp, 200 Fifth avenue, with a plant in New Jersey and in the Eastern District of New York, by these creditors: Samuel A. Waldstein, \$572; Gratton & Knight Manufacturing Company, \$40; W. C. Jones Company, \$11,205. Judge Manton appointed John B. Johnston receiver under bond of \$25,000. It is stated the liabilities are about \$1,000,000 and the assets about \$500,000. The concern has been in the hands of a creditors' committee for the last six or seven months under an extension agreement.

The Foreign Markets

Imports of Drugs, Chemicals, pages 776-777

MERCURY AND LINSEED OIL HIGHER

Lower Quotations in London on American Mint Oil, Spanish Ergot and Vanillin—Permanganate of Potash, Russian Cantharides and Japanese Mint Oil Easier
(Special Cable to DRUG & CHEMICAL MARKETS)

London, Sept. 20.—The market for fine chemicals is quiet. Higher prices are announced for mercury, carbolic acid and linseed oil, which is very strong on spot at 36 shillings.

Permanganate of potash, senega root, Russian cantharides, benzoic acid, codliver oil and Japanese mint oil are easier.

Quotations are lower on American mint oil, Spanish ergot and vanillin.

London, Sept. 9.—(By Mail)—Business continues restricted both for domestic and export trade and there are few fluctuations to report. The war between Turkey and Greece will probably have the effect of retarding shipments from Asia Minor, but less so than would have been the case had Greece been victorious. Balakissar, one of the chief towns of Anatolia, around which hostilities have been developing, provides London with an excellent quality of Druggists' opium, good alike for scale and manufacturing purposes. The war has not, so far, affected spot prices either for opium or other Anatolian products.

Ipecacuanha is quiet at the following prices: Matto grosso, 7s per lb.; Minas, 6s 9d per lb.; East Indian, 6s 6d per lb.; Cartagena, 7s 9d per lb. Menthol is moving within narrow limits and has advanced to 30s per lb. while forward Sept.-Oct. shipments are called 25s c. i. f.

Quicksilver—The higher cost of mercury in Spain and the small production continue to have an effect upon the market, and the limited supplies available on spot demand £12 15s per bottle.

Star aniseed oil can now be had at 2s 3d per lb on the spot.

Lemon oil is easier at 2s 9d to 2s 11d and continues to be offered freely from Messina without attracting interest.

Citric and tartaric acids are both weak in the absence of demand. The former at 2s 2d and the latter at 1s 3½d, both less 5 per cent, are nearest quotations.

Cream of tartar on spot is 110s less 2½ per cent without demand.

Shellac easy, T. N. Orange 316s to 320s per cwt., with future c. i. f. quotations Oct. 260s, Dec. 267s 6d.

Wax Carnauba firm. Fatty grey is obtainable at 90s while chalky is 82s 6d per cwt.

Japanese peppermint oil has advanced to 6s 9d per lb.

Senega steady at 4s 3d per lb.

Camphor continues steady. Japanese slabs 3s 6d.

Cod Liver Oil—As the season advances there is more doing in finest non-freezing Norwegian at 105s per barrel.

Manganese exports from Brazil during the first five months of this year totaled 131,421 tons as against 142,073 tons in the same period last year. The price declined during the year from 100 milreis to 66 milreis.

FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling).....	\$4.886	\$4.427
France (franc) .....	.193	.075
Italy (lira) .....	.193	.042
Germany (mark) per hundred.....	23.80	.069
Czechoslovakia (crown) per hundred.....	20.30	3.290
Poland (mark) per hundred.....	23.80	.014
Japan (yen) .....	.499	.483
Spain (peseta) .....	.193	.151
Holland (guilder) .....	.402	.386
Belgium (franc) .....	.193	.017
Norway (crown) .....	.268	.168
Switzerland (franc) .....	.193	.187
Sweden (crown) .....	.268	.264
Denmark (crown) .....	.268	.212
Argentina (peso) .....	.424	.396
Brazil (milreis) .....	.279	.125
China (Silver dollar—Hongkong).....	.789	.572
(Tael—Shanghai, silver)	1.082	.768
(Tael—Peking, silver)	1.156	.806
Russia—(100 rubles)	51.50	.100

CHANGES IN LITHUANIAN TARIFF

A copy of the new Lithuanian customs tariff, superseding the tariff in effect since Nov. 22, 1920, has just been received by the Tariff Division of the Department of Commerce. The new schedule is substantially the same as the old with respect to the free and prohibited lists, and the goods dutiable at 5, 15 and 20 per cent ad valorem. The import duty on merchandise not specified in the tariff remains at 10 per cent ad valorem.

Some of the more important changes are the transfer of cement, bricks, plate glass and lime from the 5 per cent to the free list; the decrease in the duty on matches from 20 per cent to 5 per cent; and the increase on imports of candles and cocoa from 15 to 20 per cent. The revised tariff contains a new classification consisting of goods dutiable at 50 per cent. This list includes nuts, confectionery, flavoring extracts, articles of silk or half silk, and other luxury goods, formerly dutiable, for the most part, at 25 per cent.

All Czechoslovakian customhouses are authorized to admit duty-free and without import licenses all samples (cut or for trial) that cannot be used for any other purpose than as samples and which do not weigh more than one kilogram and are not subject to a luxury tax or state monopoly, according to advices received by the Tariff Division of the Department of Commerce from Assistant Trade Commissioner Payne, Prague. Commodities subject to a state monopoly, such as tobacco, salt, artificial sweetening materials and explosives, are admitted only on import licenses granted by the Ministry of Finance. Samples of foodstuffs are not admitted.

Potash in considerable proportion is contained in the rocks and lava thrown out continually by the various volcanoes of Italy, particularly Vesuvius and Etna. A process has been devised to recover the potash by taking advantage of the large excess of chlorine which is produced in Italy each year by the electrolytic caustic soda plants.

The market for dyes in China is practically in the hands of the German dye makers. Some Japanese dyes are in evidence, but it may be that these came from Germany via Japan. Under prevailing conditions, however, it is felt that even the Germans are selling at no profit.

TO RAISE GERMAN POTASH PRICES

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 30.—Estimated production of German potash this year, according to Special Trade Commissioner Dennis, of Berlin, is placed at 1,250,000 metric tons and consumption at 850,000 metric tons. Last year production totaled 921,146 and consumption 720,000 tons; and in 1913 production totaled 1,110,362 tons and consumption 557,000 tons. There has been an increased use of potash for fertilizing in Germany due to the shortage of phosphoric acid. Only 268,000 tons of the latter were applied in 1921 as compared with 630,000 tons used in 1913.

It is estimated that the former German potash mines in Alsace will yield 120,000 tons in 1922, and that the Alsatian export capacity this year will be from 50,000 to 60,000 tons, while the German export capacity is estimated at 400,000 tons.

The reported accord between German and Alsatian potash groups to establish a monopoly and raise prices has been denied by officers of the German potash syndicate. The German price of muriate of potash, c. i. f. American Atlantic ports, now is \$32.95 net per ton, as compared with \$35 in 1913. Kainite is quoted at \$6.70 at present compared with \$7.50 in 1913. The prices of both crude and pure potash will be raised 3 per cent October 1 to meet rising costs of coal and labor in Germany.

MERCK WAREHOUSE IN DARMSTADT BURNS

Recent newspaper reports that the great Merck plant in Darmstadt, Germany, was destroyed by fire, have greatly exaggerated the situation, according to advices received from the New York office of the American house of Merck & Co. by a representative of DRUG & CHEMICAL MARKETS. The report stated that the plant took fire early in the morning of Sept. 15 and burned throughout the day with a loss of several million marks. Merck & Co. of New York state that the fire started and was confined to a minor warehouse. The operation of the plant will be in no way interfered with.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

3487—Drugs and medicines, soaps, tooth paste—Italy. Pharmacist desires agency.

3494—Acetone and chemicals for leather and paper industries; also soda, rosin, turpentine, vegetable oils, waxes—Sweden. Purchase or agency desired. Quotations, c.i.f. Stockholm. Terms, cash against documents.

3497—Sugar, corn, flour, chemical products, and sulfate of copper—Spain. Purchase and agency desired. Quotations, c.i.f. Vigo or Corunna. Correspondence, Spanish.

3508—Ammonium sulfate—Italy. Purchase desired. Quotations, c.i.f. Genoa. Terms, cash against documents in dollars or pounds sterling.

3519—Caustic soda, in quantity of about 50 tons—Finland. Purchase and agency desired by a mercantile firm. Quotations, c.i.f. Finnish port. Terms, cash against documents.

3520—Acetone B. G. S., in monthly ton lots, rosin F. G. H. in 5-ton lots, carnauba wax in 1 to 2 ton lots, and pine tar in 10-barrel lots and more later—Sweden. Quotations, f.o.b. United States port. Terms, cash against documents in Sweden.

3521—Crude drugs, especially senega, jalap, lobelia, hydrastis or goldenseal, and sanguinaria or bloodroot—Germany. Samples and illustrations of plants desired. Quotations, c.i.f. German port. Correspondence, German, if possible.

GERMANY'S LOSS OF U. S. DYE TRADE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, Sept. 9.—During July the German exports of elementary chemicals, acids and salts amounted to 32,678 metric tons, 614 tons of colors and 18,475 tons of artificial fertilizers. Though the exports of colors have increased as compared with 1920, they are still far behind the figures for 1913. The following table shows the export during 1913, 1921 and 1922 till June:

Elementary chemicals, acids and salts		
	In metric tons	From July, 1921
	1913	Till June, 1922
Potash salts	1,676,187	662,502
Sulfate of ammonia	75,868	17,182
Sulfate of sodium	83,239	46,734
Sulfate of potassium	133,358	
Sulfate of magnesium	59,207	236,292
Chloride of potassium	93,371	
Colors		
Aniline and coal-tar dyes		
and sulfur dyes	64,288	27,310
Alizarine and alizarine dyes	11,040	2,474
Indigo	33,353	12,710
Artificial fertilizers		
Thomas phosphate powder ..	713,879	2,103
Super phosphate, etc.	282,653	13,494
Medicines, etc.		
Alkaloids (quinine, morphine, etc.)	319	1,038
Prepared medicines	2,508	1,437
Other chemical products used as medicine	1,291	578

The exports of colors to different countries has drastically changed since 1913, and it will be seen from the following figures that Japan, China and Czechoslovakia import greater quantities of German dyes now, while America has taken only 0.7 per cent of the German export during the first half of 1922.

	First half year		First half year	
	In metric tons	In per cent of the	Export	
	1913	1922	1913	1922
U. S. A.	13,855	108	21.5	0.7
Great Britain	11,016	180	17.1	1.2
China	8,461	3,887	13.2	23.1
Austria-Hungary	5,779	.....	9.0	.....
Italy	4,097	537	6.4	3.5
British-India	3,823	1,033	5.9	6.6
Japan	3,506	1,659	5.5	10.7
Belgium	2,509	91	3.9	0.6
France	1,382	.....	2.2	.....
Czechoslovakia .....	.....	1,861	.....	12.0

It is reported that negotiations between representatives of the German and the French potash industry are being conducted in The Hague with a view to arrive at an agreement.

D. W. Samson, president of Chemical Products, Ltd., Trenton, Ont., says he believes that the bottom of the market has been reached. Large stocks carried by American producers are about cleaned up and products are generally on the upgrade. With the improvement his company has begun the manufacture of sulfuric acid and acid phosphate. Contracts for several thousands of tons of fertilizer and acid phosphate for fall and winter delivery have been closed.

The cultivation and production of natural indigo in Java is again declining as offerings of synthetic indigo are again becoming larger. In addition to this, artificial indigo is much better adapted to the requirements of the textile industry, and is also much cheaper than the natural product.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs**; **Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

PACKAGES—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices when available, and indicated as such. Chemical prices quoted

herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f.o.b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oil prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 pounds
1 Pound (Avoirdupois)	— .454 Kilograms
1 Kilogram	—2.20 Pounds

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Chemicals

ACETANILID, tech 150D bbls..D	.25	.26
100D kgs.....D	.26	.27
USP 200D bbls.....D	.30	.31
Second Hands.....D	.28	.30
Acetic Anhydride, 85% 450D drs.D	...	.37
85%, 107D chys.....D	...	.40
90% chys.....D	...	.39
Acetone, CP 700D drs. c/l wks..D	.14	.14½
700D drs. c/l wks.....D	...	.14½
350D drs. c/l wks.....D	...	.14½
Second Hands, spot.....D	.16	.16½
Acetophenone, CP 1D bot.....D	3.50	4.00
Acetophenetidin, 150D bbls.....D	1.85	1.90
Acetyl Chloride, 100D chys.....D	...	.35
ACID 1, 2, 4, 250D bbl.....D	...	.80
Acetic, 22%, 400D bbls. c/l	...	2.67½
wks.....100D	...	2.92½
28%, c/l wks.....100D	...	5.35
50%, c/l wks.....100D	...	8.85
70%, bbls. c/l wks.....100D	...	6.50
70%, c/l wks.....100D	...	7.25
80% coml. bbls. c/l wks.....100D	...	7.68
80% pure bbls. c/l wks.....100D	...	8.43
80% pure c/l wks.....100D	...	8.95
80% pure c/l wks.....100D	...	9.20
Glacial, bbls. c/l wks.....100D	11.17	12.17
Glacial, c/l wks.....100D	11.42	12.42
Glacial, USP chys wks.....100D	11.93	12.93
Acetylaldehyde, 200D bbls.....D	...	.85
Second Hands.....D	.80	.88
Anthranilic, ton lots drs.....D	...	1.10
95-98%, 100D drs.....D	...	1.15
99-100%, 100D drs.....D	...	1.30
Boric acid, tech. 100D bbls.....D	...	.65
Tech. ton lots bbls.....D	...	.60
USP, 100D bbls.....D	.70	.80
Boric, crys. powd. 250D bbls.D	.11½	.12
Kegs. 100D.....D	.12	.12½
Bromine's, 250D bbls.....D	...	1.55
Butyric, 60% pure 5D bot.....D	.85	.90
Camphoric, USP VIII 1D bot.....D	5.10	5.25
Carbolic, USP crys. see also Phenol	...	...
110D tins crys.....D	...	.21
50D tins.....D	...	.23
5D tins or bot.....D	.25	.28
1D bot.....D	...	.30
Liquid, USP 1D bot.....D	...	.20

ACID, Carbolic—(Continued)		
Crude, 25% 50 gal bbls.....gal	.30	.35
10%, 50 gal bbls.....gal	.22	.23
Chloracetic, mono 100D bbls. wks.....D	...	.32½
DI, 150D chys wks.....D	...	1.00
Tri, 425D bbls. wks.....D	...	...
Chlorosulfonic, 150D drs. wks.....D	.15	.16
Chromic, USP 200D drums.....D	...	.40
85% Pure, 200D drums.....D	...	.35
Chrysophanic, see Chrysarobin	...	...
Cinnamic, 5D cans.....D	2.75	3.00
CITRIC, USP crys 230D bbls.D	.45	.45½
Powd., USP 200D bbls.D	.46	.46½
Imported, crys 112D kgs.D	.46½	.47
Single kgs.....D	.46½	.47
Clevo, 250D bbls.....D	1.50	1.54
Cresylic, 95% dark 100 gal	...	.53
95% dark, 10 dr. lots wks.....D	...	.51
97-99% straw, drs. wks.....gal	...	.75
97-99% decolor, drs. wks.....gal	.76	.78
Formic, 75% tech. 100D chys.D	.16	.17
90%, 140D chys. incl.....D	.18	.20
Gallie, USP 150D bbls.....D	.70	.75
Gamma, 225D bbls. wks.....D	...	1.85
Bbls., ton lots wks.....D	...	1.80
Glycerophosphoric, 25% 1D b.D	1.65	1.70
H. 350D bbls. single.....D	...	.80
Bbls. ton lots wks.....D	...	.75
Hydroiodic, 10% USP 5D bot.....D	.50	.60
Hydrobromic, 48% coml. 155D chys. wks.....D	...	.37
48% coml. 10 chys. wks.....D	...	.35
40% CP 155D chys. wks.....D	.40	.42
10%, USP 100D chys. wks.....D	.18	.16
Hydrochloric, see also Acid Muratic	...	...
CP 5 gal. demis.....D	.07	.08
USP, 5 gal. demis.....D	.07	.08
HYDROFLUORIC, 30% 400D bbls. wks.....D	...	.06
30% bbls. c/l wks.....D	...	.05
30% 100D chys. wks.....D	...	.04½
48% single 100D chys. wks.....D	...	.11
48% 10 chys. wks.....D	...	.10
52% 100D chys. wks.....D	...	.12
52% 10 chys. wks.....D	...	.11

Acid, hydrofluoric—(continued)		
60% 100D chys. wks.....D	...	.14
60% 300D drs. wks.....D	...	.13
White Acid, 100D chys. wks.D	...	.26
White Acid, 10 chys. wks.D	...	.25
Hydrofluosulfic, 35% 450D bbls. wks.....D	.10	.12
Hypophosphorous, USP 30% 5 gal. demis.....D	...	1.05
USP, 10% 5 gal. demis.....D	...	.37
LACTIC, 22% dark 500D bbls.D	.04	.04½
22% light, bbls.....D	.05½	.06
44% dark, bbls.....D	.09½	.10
44% light, bbls.....D	.10½	.12
66% bbls.....D	...	.16
80% imported, bbls.....D	.14½	.15
USP IX 100D chys.....D	.60	.65
USP VIII 100D chys.....D	...	.55
Laurent's, 250D bbls.....D	.75	.80
Metanilic, 250D bbls.....D	...	1.00
Mixed, sulfuric-nitric	...	...
Drums, wks.....N Unit	.07½	.08
Drums, wks.....S Unit	.01	.01½
Tank cars, wks.....N Unit	.07½	.08
Tank cars wks.....S Unit	.009	.01
Molybdic, 85% pure 1D bot.D	...	3.00
85% pure, 100D kgs.....D	...	1.65
Monosulfonic F, Delta. 50D tins.....D	...	2.30
MURIATIC, 20° chys. c/l	...	...
wks.....100D	1.35	1.75
Chys. c/l wks.....100D	1.10	1.50
Tank cars, wks.....100D	1.00	1.10
18°, 140D chys. c/l wks.....100D	.85	1.25
22°, 140D chys. c/l wks.....100D	1.40	2.00
Iron, free, 20° chys. c/l wks.....100D	...	1.55
Tank cars, wks.....net ton 20.00	...	25.00
Muriatic, CP & USP, see Acid Hydrochloric	...	...
Naphthionic, tech. 250D bbls.D	.60	.63
Refined, single bbls.....D65
Nertle & Wintner's, 250D bbls.D	1.15	1.90

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Amyl Acetate
Butyl Acetate

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NITRIC, 36° 135D cby.

wks.100D	5.50	: 6.15
Chys. c/l wks.100D	4.50	: 5.25
38° single cby. wks.100D	5.65	: 6.55
Chys., c/l wks. ....100D	5.00	: 5.65
40° single cby. wks. ....100D	6.50	: 7.15
Chys. c/l wks. ....100D	5.25	: 6.25
42° single cby. wks. ....100D	7.25	: 7.90
Chys. c/l wks. ....100D	5.50	: 7.00
C. P. cby. single wks. ....100D	...	: 13.00
Oxalic, 325D bbls. wks. ....D	...	: .17
Bbls., NY .....D	.18	: .19
Keps, 100D .....D	.17½	: .17½
Phenylacetic, 1D bot. ....D	2.50	: 3.00
Phosphoric, 50% tech. 100D cby. ....D	.07	: .08
USP, 85% syrupy, 70D demis. ....D	.14	: .16
Phthalic, 100D bbls. ....D	.32	: .35
Bbls., NY .....D	...	: .65
Picramic, 300D bbls. ....D	...	: .30
Picric, 300D bbls. ....D	...	: .20
Bbls. car lots wks. ....D	...	: 1.20
Pyrogallie, crys. 5D cans. ....D	...	: 1.00
Resublimed, 5D cans. ....D	...	: .80
Tech. powd. 200D bbls. ....D	.26	: .27
Salicylic, tech. 125D bbls. ....D	...	: .29
USP, 100D bbls. ....D	.23	: .23
Sulfanilic, 250D bbls. ....D	...	: 1.50
SULFURIC, 66° 175D cbya. lc/l wks. ....100D	...	: 1.25
Chys., c/l wks. ....100D	...	: 1.10
1500D Drums, lc/l wks. ....100D	...	: 1.00
Drums, c/l wks. ....100D	14.00	: 16.00
Tank cars, wks. ....net ton	...	: .70
60° 1500D Drums, lc/l wks. ....100D	.60	: .80
Drums, c/l wks. ....100D	...	: .80

Acid Sulfuric

Tank cars, wks. ....net ton	9.00	: 11.00
C. P. 175D cbya. ....100D	...	: 8.00
Oleum, 20 p.c. 1500D drums, lc/l wks. ....100D	1.25	: 1.50
Drums, c/l wks. ....100D	1.10	: 1.25
Tank Cars, wks. ....net ton	18.00	: 19.00
Contract cars, wks. ....ton	18.00	: 19.00
Oleum, 40° drs lc/l wks. net ton	...	: 35.00
Oleum, 60° drs, lc/l wks net ton	...	: 65.00
Sulfurous, USP 6% 100D cbya. D	.05	: .06
4% 100D cbya. ....D	.04	: .05
USP, 5 gal. demis. ....D	.06	: .08
Tannic, tech. 300D bbls. ....D	.40	: .55
USP, powd. 200D bbls. ....D	.70	: .75
USP, fluffy, 50D bbls. ....D	.75	: .80
Tartaric USP cryst 300D bbls. D	...	: .32
USP, powd. 300D bbls. ....D	...	: .32
Imp. USP 240D bbls. ....D	...	: .30
Powd. 240D bbls. ....D	...	: .30
Tobias, 250D bbls. ....D	1.50	: 1.55
Tungstic, 100D kegs. ....D	...	: 1.00
Aconitine Alk. cryst. 1 oz. vis. oz.	...	: 23.00
Amorphous, 1 oz. vis. ....oz.	...	: 16.00
Adeps Lanae, hydrous 350D bbls D	.18	: .20
Anhydrous, 350D bbls. ....D	.22	: .24
ALCOHOL, USP 190 pf. 50 gal. bbls. ....gal	4.70	: 4.75
Second Hands, bbls. USP 190 pf. ....gal	4.60	: 4.65
Export, USP 190 pf. ....gal	.35	: .40
Cologne Spirit, 50 gal. bbls. gal	4.75	: 4.80
Wood, 95% 50 gal. bbls. ....gal	.58	: .60
97%, 50 gal. bbls. ....gal	.60	: .62
Pure, meth. 50 gal. drums. gal	.70	: .72
Acetone free, 50 gal. drums. gal	.75	: .76
Second Hands, 95-97% bbls. gal	.52	: .53
Alcohols, also in 50 gal. drums, extra and returnable.	...	...
Amyl, see Oil Fusel	...	...

Alcohol—(continued)

Butyl, 50 gal. drums. ....D	.20	: .22
Cinnamic, 1D bot. ....D	15.00	: 16.00
Isobutyl, crude 50 gal. drums. gal	...	: 4.40
Refined, 10D can. ....D	...	: .75
Isopropyl, crude 50 gal. drs. gal	...	: 2.25
Refined, 50 gal. drs. ....gal	4.00	: 4.50
Ref'd, 91%, drs. ....gal	...	: 3.50
Methyl, see Alcohol, Wood	...	...
Phenylethyl, see Phenylethylalcohol	...	...
Propyl, nml. crd 50 gal. drms. gal	...	: 4.40
Refined, 10D can. ....D	...	: .75
Denatured	...	...
No. 1 Complete Denat. 188 Hroof	...	...
50 gal. bbls. incl. ....gal	.33	: .35
50 gal. drums, extr. ....gal	.31	: .33
No. 1 Special Denat. 190 Proof	...	...
50 gal. bbls. incl. ....gal	.32	: .34
50 gal. drums, extra. ....gal	.26	: .28
No. 5 Complete Denat. 188 Proof	...	...
50 gal. bbls. incl. ....gal	.32	: .34
50 gal. drums, extra. ....gal	.26	: .28
No. 6 Complete Denat. 188 Proof	...	...
50 gal. bbls. incl. ....gal	.31	: .34
50 gal. drums, extra. ....gal	.25	: .27

In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue. For prices on specially denatured alcohols not listed above, consult any of the alcohol producers.



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Chemicals

Aldin, USP 100 lb cases.....lb			.85	: .83
Alpha-Naphthol, tech 300 lb bbls. lb			...	: 1.05
Ton lots, bbls. wks.....lb			...	: 1.00
Refined, 300 lb bbls.....lb			...	: 1.10
Alpha-Naphthylamine, 350 lb bbls. lb			...	: .32
Ton lots, bbls. wks.....lb			...	: .30
ALUM, Ammonia, lump 400 lb bbls.				
wks. ....100 lb			...	: 3.50
Bbls. c/l wks.....100 lb			...	: 3.25
Contract, bbls c/l wks 100 lb			...	: 3.25
Imported, 650 lb casks. 100 lb			...	: ...
Ground, 400 lb bbls. wks. 100 lb			3.40	: 3.65
Powd., 380 lb bbls. wks. 100 lb			3.85	: 3.90
Chrome, 500 lb cks wks. 100 lb			5.00	: 6.00
Potash, lump 400 lb bbls.				
wks. ....100 lb			...	: 4.50
Bbls. c/l wks.....100 lb			...	: 4.25
Cont. bbls c/l wks.....100 lb			...	: 4.25
Imp. 650 lb casks sp. 100 lb			...	: 3.00
Ground, 400 lb bbls. wks. 100 lb			4.35	: 4.60
Powd., 380 lb bbls. wks. 100 lb			4.50	: 4.75
Chrome, 700 lb cks wks. 100 lb			5.50	: 6.00
Soda, grd. 400 lb bbls. wks. 100 lb			...	: 4.00
Bbls. c/l wks.....100 lb			...	: 3.50
Aluminum, metal, c/l NY.....100 lb			...	: 17.50
Chloride, anhyd. 275 lb drs.. lb			.20	: .22
30% sol. 120 lb clys.....lb			...	: .03½
Hydrate, light 90 lb bbls.....lb			.17	: .18
SULFATE, Iron-free bags c/l				
wks. ....100 lb			2.25	: 2.50
Contract bags c/l wks. 100 lb			...	: 2.25
Imported, spot .....100 lb			2.10	: 2.25
Comm'l., ¼% iron, bags c/l				
wks. ....East 100 lb			...	: 1.50
Aluminum Sulfate—(continued)				
Cont. bags c/l wks. E. 100 lb			...	: 1.40
Bags, c/l wks. W...100 lb			...	: 1.35
Bbls., c/l wks. East. 100 lb			...	: 1.55
Bulk, c/l cont. wks. E. 100 lb			...	: 1.35
Amidol, (see Diaminophenol)				
Amidopyrine, 10 lb boxes.....lb			4.50	: 4.60
1 lb cartons, 10 lb boxes.....lb			...	: 4.66
Aminoozobenzene, 110 lb kgs.....lb			...	: 1.15
AMMONIA anhyd. 100 lb cyl.. lb			...	: .30
Water, 26° 800 lb drs. wks.. lb			...	: .07½
Drs. c/l wks.....lb			.07	: .07½
Imp., 800 lb drs incl spot. lb			...	: .06
26°, 100 lb clys. lb/l wks.. lb			...	: .09½
Clys. c/l wks.....lb			...	: .09½
20°, 800 lb drs. lb/l wks.. lb			...	: .08
Clys., lb/l wks.....lb			...	: .07½
18°, 800 lb drs. lb/l wks.. lb			...	: .05½
Clys., lb/l wks.....lb			...	: .07½
16°, 800 lb drs. lb/l wks.. lb			...	: .04
Clys., lb/l wks.....lb			...	: .05
Ammonium Acetate, 100 lb kegs. lb			.35	: .36
Benzoate, USP 1 lb bot.....lb			.85	: .90
Bisulfide, 300 lb bbls.....lb			.22	: .23
100 lb kegs.....lb			.23	: .24
Bromide, 50 lb boxes.....lb			...	: .29
Imported, 112 lb boxes.....lb			.16	: .16
Carb., tech. 560 lb casks.....lb			.07	: .07½
Powd., tech. 385 lb bbls.. lb			...	: .08½
USP, lump, 100 lb kegs.. lb			.07	: .08
Powd., 100 lb kegs.....lb			.09	: .10
Chloride, Domestic				
White gran. 250 lb bbls wks lb			...	: .07½
Bbls., c/l wks.....lb			...	: .07½
Gray 250 lb bbls. wks.....lb			.07½	: .07½
Bbls. c/l wks.....lb			.07½	: .07½
Ammonium Chloride—(continued)				
Imp., wh. 600 lb casks spot. lb			.06½	: .06½
Gray, 600 lb casks spot.. lb			.07½	: .08
Lump, 500 lb casks spot.. lb			...	: .16
Ichthyolate, as to brand.....lb			.75	: 3.00
Iodide, USP 25 lb jars.....lb			4.85	: 4.90
Lactate, 500 lb bbls.....lb			.15	: .16
Nitrate, tech. crys. 225 lb bbls. lb			.05½	: .06
CP gran. 100 lb kegs.....lb			.10	: .22
Oxalate, pure, 100 lb kegs.. lb			...	: .40
Persulfate, 112 lb cases.....lb			...	: .50
Phosphate, dibasic 200 lb bbls. lb			.35	: .36
Tech., powd. 325 lb bbls.. lb			.15	: .17
Salicylate, USP 100 lb kegs. lb			.53	: .55
Sulfate, bulk c/l wks.....100 lb			3.50	: 3.60
200 lb single bags c/l wks. 100 lb			...	: 3.60
200 lb double bags f.a.s. 100 lb			...	: 3.85
Sulfocyanide, tech. 100 lb kgs. lb			.50	: .52
CP 25 lb jars.....lb			...	: .55
Amyl Acetate, tech 50 gal drs. gal			1.75	: 2.25
Pure, 5 gal. cans.....gal			4.00	: 6.00
Alcohol, see Oil Fusel				
Butyrate, 1 lb bot.....lb			1.65	: 2.00
Formate, 1 lb bot.....lb			1.75	: 2.00
Salicylate, 100 lb clys.....lb			1.25	: 1.40
Anethol, 2 lb bot.....lb			1.75	: 2.50
ANILINE OIL, 900 lb drs. 5 dr. sp. lb			.14	: .15
Aniline Salt, 200 lb bbls.....lb			...	: .20
Anisic Aldehyde, 1 lb bot.....lb			3.50	: 4.00
Anthracene, 40-45% 600 lb casks				
wks. ....lb			.12	: .17
80-85%, 600 lb casks wks.. lb			.75	: 1.00
Anthraquinone, subl 125 lb bbls. lb			1.30	: 1.35
30% paste 350 lb bbls.....lb			.75	: .80
Antimony metal. slabs ton lots 100 lb			...	: 6.50
Needle Powd., 100 lb cases... lb			...	: .07

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Chemicals

ANTIMONY CHLORIDE, anhyd 1000 lb.


dra.	35
50 lb. casks	45
Sol'n. 130 lb. casks	12
Oxide, 500 lb. bbls. ....	...	06%
Sulfide, golden 500 lb. bbls. ....	...	16
336 lb. kegs ....	...	18
Crimson, 500 lb. bbls. ....	...	35
336 lb. kegs ....	...	37
Red, 500 lb. bbls. ....	...	40
336 lb. kegs ....	...	41
Tartrolactate, 500 lb. bbls. ....	...	45
Antipyrine, USP 100 lb. cases	2.00	2.10
Apomorphine Hydrochloride, 1/4 oz. vis. oz. ....	...	16.65
Arcoline Hydrobromide, 1 oz. vis. oz.	8.50	10.00
Argals, red powd. 350 lb. bbls. ....	...	07
Arsenic, metal 220 lb. cases ....	...	23
Red, 224 lb. kegs cases ....	...	13
White, 550 lb. bbls. 1c/l. ....	...	08 1/2
110 lb. kegs 1c/l. ....	...	08 1/4
Aspirin, see Acid Acetylsalicylic		
Atropine Alk. USP 1 oz. vis. oz. ....	...	9.00
Sulfate, 5 oz. in 1 oz. vis. oz.	3.50	3.60
BARIUM BINOXIDE, see Barium chloride		
Carbonate, precip. 800 lb. bbls.	75.00	85.00
Wks. ....	...	70.00
Imports, bbls. spot. ....	...	70.00
Precip., 200 lb. bgs. wks.	70.00	75.00
Chloride, 800 lb. bbls. wks. ....	...	95.00
200 lb. bgs. wks. ....	...	85.00
Import, bbls. spot.	90.00	95.00
Dioxide, 750 lb. drs. ....	...	18
Import, 500 lb. drs. ....	...	16
Hydrate, 500 lb. bbls. ....	...	05
Iodide, 5 lb. bot. ....	...	5.10
Nitrate, 700 lb. casks ....	...	09%
Import, casks ....	...	07%
Sulfocyanide 400 lb. bbls. ....	...	35
Barites, Roasted 350 lb. bbls.	33.50	38.00
Barium, Porto Rican, genuine		
Demat. salicy acid or tartar emetic		
45 gal. bbls.	3.17	3.25
Demat. quinine sulf. 45 gal. ....	...	...
bbls.	3.50	3.60
Domestic synthetic, 50 gal. ....	...	...
bbls.	1.50	1.60

Benzaldehyde, tech. 945 lb. dra.

Wks. ....	...	05
USP, 25 lb. cans.	1.40	1.50
FFC, 25 lb. cans.	1.60	1.70
BENZENE, 90% 8000 gal. tanks		
Wks. ....	...	37
110 gal. dra. wks. ....	...	33
CP Tanks, wks. ....	...	30
110 gal. dra. wks. ....	...	35
Benzidine Base, dry 250 lb. bbls. ....	...	87
10 bbl. lots. ....	...	85
Benzidine Sulfate, paste 350 lb. ....	...	72
bbls.	70	72
Benzol, see Benzene		
Benzonaphthol, 5 lb. boxes	2.50	2.60
Benzoyl Chloride, 500 lb. drs. ....	...	1.00
Benzyl Acetate, 100 lb. clys.	1.15	1.20
Alcohol, 5 lb. bot.	1.10	1.25
Benzoate, 5 lb. bot.	1.30	1.55
Chloride, 95% tech. 925 lb. dra.	20	22
100 lb. clys. ....	...	25
Redistil. 100 lb. clys. ....	...	35
Formate, 1 lb. bot.	3.50	3.75
Berberine Hydrochloride, 1 lb. bot. ....	...	23.00
Sulfate, acid or neut. 1 lb. bot.	21.00	23.00
BETA-NAPHTHOL, 350 lb. bbls. wks.		
...	...	23
Ton lots, wks.	22	23
Sublimed	50	55
Beta-Naphthylamine, tech. 200 lb. ....	...	95
bbls.	95	1.00
Sublimed, 200 lb. bbls. ....	...	1.50
Bichloride Mercury, see Mercury Bichloride		
BISMUTH metal, 150 lb. cases. ....	...	2.44
Ammon. Citrate, USP 5 lb. bxs. ....	...	5.40
Betanaphtholate, 5 lb. bxs. ....	...	2.95
Citrate, USP 5 lb. bxs. ....	...	2.55
Nitrate, 25 lb. jars. ....	...	1.64
Oxychloride, 250 bbls. ....	...	2.92
Phenolsulfonate, 5 lb. cans. ....	...	2.70
Salicylate, 250 bbls. ....	...	1.85
Subbenzoate, 5 lb. boxes. ....	...	2.95
Subcarbonate, USP 250 bbls. ....	...	2.75
X-Ray diag. 1 lb. bot. ....	...	3.12
Subgallate, USP 175 bbls. ....	...	2.36
Subiodide, 5 lb. lots. ....	...	4.33

Bismuth—(continued)

Subnitrate, USP 250 bbls. ....	...	2.45
Second Hands, bbls. or less.	2.30	2.35
Cases, 1 lb. bot. ....	...	3.45
Subsalicylate, USP 175 bbls. ....	...	2.68
Tannate, 1 lb. bot. ....	...	2.25
Bismuth Preparations quoted above on basis 25 lb. lots. Smaller lots at an advance.		
Blanc Fixe, dry 400 lb. bbls. wks.	80.00	85.00
Imported, bbls. ....	...	...
Paste, 650 lb. bbls. ....	...	40.00
BLEACHING POWDER, 700 lb. dra.		
c/l wks. ....	...	2.00
Drums 1c/l ex-warehouse.	100 lb	2.25
Contract, c/l wks.	100 lb	2.00
P. a. t. c/l.	100 lb	...
Imported, spot.	100 lb	...
Blue Ointment, see Mercury		
Mass, see Mercury		
Bone Ash, 100 lb. kegs. ....	...	10
Black, 200 lb. bbls. ....	...	08
Borax, USP cryst. 400 lb. bbls. ....	...	05%
Powdered, USP 300 lb. bbls. ....	...	05%
Kegs, USP 100-150 lb. ....	...	06
Borneol, 1 lb. bot. ....	...	3.50
Bromide, see potassium bromide, etc.		
Bromine, bot. in 50 lb. ca. wks. ....	...	25
Bromobenzene, 600 lb. drums. ....	...	27
Bromoform, USP 5 lb. bot 50 lb. ca. ....	...	1.45
Bromotryol, 25 lb. kegs. ....	...	3.50
Brucline Sulfate, 1 ca. vis. 100 oz. ....	...	20
Butter of Antimony, see Antimony Chloride		
CADMIUM, metal 100 lb. bxs.		
...	...	1.50
Bromide, 50 lb. cases jars. ....	...	05
Iodide, 10 lb. bot. ....	...	4.30
CAFFEINE ALK. USP 5 lb. cans.		
...	...	3.75
Second Hands. ....	...	3.50
Hydrochloride, 1 lb. bot. ....	...	7.12
Sulfate, 1 lb. bot. ....	...	5.52
Citrate, 25 lb. cans. ....	...	8.00
Hydrobromide 1 lb. bot. ....	...	5.07
CALCIUM Acetate, 150 lb. bgs. c/l		
Wks. ....	...	2.75
Arsenate, 100 lb. bbls. c/l wks. ....	...	09
Bbls. 1/1 wks. ....	...	11



CAUSTIC SODA BOTTOMS

A Quantity of Caustic Soda
Bottoms is Available

The Price is Attractive!

Sole Selling Agents

EDWARD HILLS SON & CO.

21 East 40th Street, New York

Chemicals

Calcium Carbide, 220 lb dr c/wks B	...	.04%	Carbon Bisulfide, 500 lb dr. NY..B	.06	.06%	Chromium Acetate, 20° soln, 400 lb		
Drums, 1c/l wks. ....B	...	.05	Ton Lots, drs, NY.....B	.08	.06%	bbis. ....B	.08	.10
Carbonate, tech. 100 lb bags	...		Carbon Black, 10 lb bag 10 bag			Fluoride, crys. 400 lb bbis...B	...	...
c/l .....100 lb	1.00	1.10	lots .....B	.10%	.18	Soln. 400 lb bbis.....B	...	...
USP, precip. 175 lb bbis..B	...	.04	Carbon Tetrachloride, 1400 lb drs.			Sulfate, 400 lb bbis.....B	.07	.09
Chloride, solid, 650 lb drs. c/l	...		NY .....B	...	.10	Chrysarobin, USP 5 lb cans....B	1.70	1.90
f o b NY.....ton	...	24.50	Drums, c/l NY.....B	.09	.09%	Cinchonidin alk., 100 oz. tins..oz	.70	.75
Gran., 350 lb drs. c/l f o b	...		700 lb drs. single NY.....B	...	.10	Sulfate, 100 oz. tins.....oz	...	.50
NY .....ton	...	30.50	Carmine, No. 40 5 lb boxes....B	4.40	4.50	Cinchonine alk., 100 oz. tins..oz	.38	.43
Flake 330 lb drs. c/l drs. fob	...		Casein, edib. 100 lb keg.....B	.45	.50	Sulfate, 100 oz. tins.....oz	...	.25
NY .....ton	...	30.50	Technical, 200 lb bbis.....B	.15	.18	Cinnamic Alcohol, see Alcohol Cinnamic		
Imp., solid 600 lb drs. spot.ton	...	20.50	Castoreum, 1 lb boxes.....B	4.00	4.50	Cinnamic Aldehyde, 1 lb bot....B	3.25	3.75
Anhyd., 350 lb drs. fob NY..B	.12	.13	Caster Oil, USP 50 gal. bbl....B	...	.12	Citral, 25 lb cans.....B	3.00	3.50
Glycerophosphate, 25 lb cans..B	...	1.55	Cases, 80 lb 2 tins.....B	...	.13	Citrine Ointment, see Mercury		
Iodide, 5 lb bot.....B	...	4.20	Tech., see Fixed Oils			Citronellal, 1 lb bot.....B	1.75	2.00
Lactate, tech. 500 lb bbis...B	...	.13%	Camtic Potash, see potash, caustic			Citronellol, 1 lb bot.....B	8.00	10.00
Nitrate, 220 lb drs. c/l NY.ton	...	40.00	Soda, see soda, caustic			Cobalt metal, 100 lb kegs.....B	...	3.00
Phosphate, precip. 350 lb bbis..B	.10	.12	Cerium Oxalate, USP 100 lb kgs. B	.40	.42	Cobalt Oxide, 500 lb bbis.....B	...	2.00
Phosphate, precip. tribasic 350			Chalk, drop 175 lb bbis.....B	.03%	.03%	10 lb tins 200 lb cases.....B	...	2.25
B bbis .....B	.12	.13	Precip. light 175 lb bbis.....B	.04	.05	COCAINE alk., USP 10 oz. tins..oz	8.00	10.00
Phosphate, mono. ....B	.08%	.07%	Precip. heavy 500 lb cshs.....B	.03%	.04	Hydrochloride, USP 25 oz.		
Sulfocarbolate, 100 lb kegs...B	...	.48	Charcoal, Bone, see bone black			tins .....oz	6.00	7.00
Calomel, see Mercury			Wood, powd. 100 lb bbl.....B	.04	.05	In crystals, granular, powder,		
CAMPBELL, Amer. ref. 250 lb			Willow, powd. 100 lb bbl.....B	.06	.07	or flaky crystals as desired.		
bbis. ....B	...	.90	Chloral Hydrate, USP 100 lb drs..B	...	.75	Cocoa Butter, bulk 200 lb bales..B	.30	.32
1 lb cakes, 100 lb cs.....B	...	.91%	25 lb jars .....B	...	.76	Fingers, cakes, etc. 12 lb bxs. B	.35	.36%
1 oz. tab., 1 lb ctas.....B	...	.95	Chinoidin, 170 lb cases.....B	.65	.75	CODEIN alk., 5 oz. cans 10 oz		
100 lb cs. ....B	...	.96	Chlorhydrin, Ethylene anhyd.1000 lb	1.50	1.60	lots .....oz	...	7.30
100 lb cs. ....B	...	.96	40% soln. 100 lb chys.....B	.30	.35	Hydrobromide, 10 ozs.....oz	...	5.85
Jap. ref. 2 1/2 lb slabs, 100 lb	...	.83	CHLORINE, Liquid 2000 lb cyl.			Hydrochloride, 10 ozs.....oz	...	6.55
cs. ....B	...	.85	c/l wks. ....B	.05	.05%	Nitrate, 10 ozs.....oz	...	6.85
1 oz. tab. 100 lb ca. 1 lb	...	.95	Tank car lots wks.....B	.05	.05%	Phosphate, 10 ozs.....oz	...	5.60
tins .....B	...	1.00	100 lb cyl l/c/l wks.....B	.05%	.07%	Salicylate, 10 ozs.....oz	...	5.50
1/4 oz. tab. 100 lb ca. 1 lb	...	1.05	Chlorobenzene, mono. 1000 lb drs.	.10	.11	Sulfate, 10 ozs.....oz	...	5.85
tins .....B	...	1.00	Chloroform, USP 50 lb drs..B	...	.25	Small Sizes, 1/4 oz. vials, 50c extra,		
Chinese ref. 2 1/2 lb slabs 100 lb	...	.81	Second Hands, 650 lb drs..B	...	.25	3/4 oz. 25c. extra, singles 7c extra		
cs. ....B	...	.82	Technical, 650 lb drums....B	.22	.23%	per oz.—25 oz. lots, 10c oz. cheaper		
Crede, 100 lb cs. ....B	...	.68				than above.		
Campher, Monobrom. 100 lb cs..B	1.70	1.85				COD LIVER OIL, Norwegian, 30 gal.		
Camphel, 50 gal. bbis.....gal	.80	.82				bbis. ....bbl	23 50	25.00
Carbamide, 250 lb bbis.....B	.75	.80				Newfoundland, 30 gal. bbis. bbl	...	...

QUININE

Sulphate and Minor Salts

Unexcelled in Uniformity of Quality
Brilliant Crystallization and Purity of Color

Cinchonine, Cinchonidine
Quinidine

and their Salts

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YOHIMBINE

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78 FRONT ST., Cor. Old Slip, NEW YORK

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NIAGARA FALLS, N.Y. Chicago Office: 11 So. La Salle St.

Chemicals

Colchicine alk., USP 1 oz. vis. ca.	: 25.00	Digitalin, Pure, 1 oz. vis.	7.00	: 7.25	Ethyl—(continued)		
Salicylate, 1 oz. vis.	: 35.00	Dimethylamine, 540 lb. drs. wks. lb. ....	.32	: .34	Chloride, 15 lb. cyl. ....	..	: .50
Colloidal, USP 30 lb. drums.	: .23	Drs. c/l wks. ....	.30	: .32	Cinnamate, 1 lb. bot.	5.00	: 5.50
Flexible, USP 30 lb. drums.	: .28	Dimethylsulfate, 110 lb. drs. ....	..	: .50	Formate, 5 lb. bot.	1.00	: 1.10
COPPER, metal electrolytic c/l		Dinitrobenzene, 400 lb. bbls. ....	.20	: .25	Methyl Ketone, 50 gal. drums. ....	.10	: .12
NY	: 14.00	Dinitrochlorobenzene, 400 lb. bbls. ....	.22	: .24	Morphine, see Morphine, Ethyl		
Lake, c/l NY	14.00	Dinitronaphthalene, 350 lb. bbls. ....	.30	: .32	Valerate, 5 lb. bot.	4.50	: 4.75
Casting, c/l NY	: 13.62½	Dinitrophenol, 350 lb. bbls. ....	.33	: .35	Ethylene Glycol, drs.	1.00	: 1.25
Carbonate, 400 lb. bbls.	: .19	Dinitrotoluene, 300 lb. bbls. ....	.20	: .22	Eucalyptol, 25 lb. cans. ....	.80	: .85
Cyanide, 100 lb. drs. ....	.58	Dionin, see Morphine, Ethyl			Eugenol, 25 lb. cans.	3.25	: 3.50
Oxide, 1000 lb. bbls. ....	.15½	Diphenylamine, 250 lb. bbls. ....	.54	: .55	FERRIC CHLORIDE, tech. crys.		
Carlots, bbls. ....	.15	Diphenylsulfate, 500 lb. drums. ....	.85	: .90	475 lb. bbl. ....	..	: .10½
Sub-Acetate, verd. 440 lb. bbls. ....	.35	Dover's Powder, USP 5 lb. tins. ....	..	: 2.20	USP, crys. 100 lb. bags. ....	..	: .10
SULFATE, crys. 450 lb. bbls. lc/l		Duboisine Sulfate, 1 oz. vis. ....	..	: 60.00	Tech. Sol'n 40° 140 lb. chys. ....	..	: .08½
spot	6.25	EARTH, Diatomaceous, see Kieselguhr			48°, 140 lb. chys. ....	..	: .08
Carlots, bbls. delivered 100 lb.	: 5.90	Emetine, alk., 15 gr. vis. ....	..	: 1.80	USP Sol'n 125 lb. chys. ....	..	: .06
Powdered, 350 lb. bbls. lc/l		Hydchlide, USP 1 oz. vis.	16.00	: 17.50	Ferrous Chloride, crys. tech.		
spot	6.90	15 gr. vials. ....	.75	: .80	475 lb. bbls. ....	.06	: .06½
Carlots, bbls. deliv. 100 lb.	: 6.75	EPSON SALT, tech. 300 lb. bbls.			Ferrous Sulfide, 900 lb. bbls. 100 lb.	4.00	: 4.25
Copperas, bulk c/l wks.	: 21.00	NY .....	..	: 2.00	Flake White, see lead, white		
400 lb. bbls. c/l wks.	: 25.00	Bbls. c/l NY .....	..	: 1.85	Fluorspar, 95% 220 lb. bags. ex		
200 lb. bags. c/l wks.	: 23.00	100 lb. bags. c/l NY .....	..	: 1.70	dock .....	..	: 25.00
Corn Syrup, 42 deg. 50 gal.	2.52	Imp., 112 lb. bags. c/l			96% bgs. ....	..	: 28.60
bbls.	2.57	NY	1.00	: 1.10	98% bgs. ....	..	: 35.00
43 deg. 50 gal. bbls.	2.57	USP, 300 lb. bbls. 10 bbls. 100 lb.	2.50	: 2.75	FORMALDEHYDE, USP 400 lb. bbls.		
Corrosive Sublimate, see Mercury Bichloride		Imported, 300 lb. bbls. 100 lb.	2.00	: 2.10	c/l wks. ....	..	: .09
Cotton Soluble, 100 lb. bbls. wet. ....	.40	Ergotin, Bonjean, 1 lb. bot. ....	..	: 10.00	Carboys, 100 lb. lc/l wks. ....	..	: .09½
Coumarin, 25 lb. tins.	3.50	Eserine alk., 1 oz. vis. ....	..	: 30.00	Bbls, 400 lb. lc/l wks. ....	..	: .09½
CREAM TARTAR, USP 300 lb.		Salicylate, USP 1 oz. vis. ....	..	: 18.00	Fuller's Earth, 200 lb. bags. c/l		
bbls.	: .26½	Sulfate, USP VIII, 1 oz. vis.	14.50	: 14.75	mizes	15.00	: 17.00
Imp. powd. USP 400 lb. bbls. ....	.24	ETHER, USP 55 lb. drums. ....	.13	: .15	Imported, 230 lb. bags NY	35.00	: 40.00
Creosote Oil, 50 gal. drs. ....	.20	Anaesthesia, 55 lb. drums. ....	..	: .18	Fusel Oil, refined, 100 gal. drs.	2.50	: 3.00
Carbonate, 1 lb. bot. 25 lb.	1.60	USP, 1880 55 lb. drums. ....	..	: .39	Crude, 100 gal. drs. ....	..	: 1.75
Creosote Oil, 100 gal. drs. ....	.20	Washed, 55 lb. drums. ....	..	: .31	G. SALT, paste 350 lb. bbls. basis		
Cresol, USP 400 lb. bbls. ....	.13	Motor, 1 lb. cans. ....	.25	: .27	100% .....	.85	: .70
Cyanamide, bulk c/l wks. Aum unit	: 2.25	Ether, Nitrous, 1 lb. bot. ....	.92	: .95	Gelatin, USP silver bbl. 100 lb. cs. ....	.90	: 1.00..
DIAMINOPHENOL, 100 lb. bags. ....	..	Ethyl Benzyl Aniline, 300 lb. drs. ....	..	: 1.40	Cold Label, 100 lb. cases. ....	..	: .
Diaminidine, 100 lb. bags.	4.50	Ethyl Acetate, 99% 50 gal. drs. ....	.93	: 1.05	Geraniol, 50 lb. cans.	2.25	: 3.00
Dichlorobenzene, 1000 lb. drs. ....	.06	85-90% Ester, 50 gal. drs. ....	.62	: .67	Geranyl Acetate, 1 lb. bot.	5.25	: 5.50
Diethylamine, 850 lb. drs. ....	.60	Pure, 5 lb. bot.	3.25	: 3.50	GLAUBER'S SALT, tech. 200 lb. bags		
Diethyl Phthalate, 25 lb. cans. ....	.85	Benzoate, 5 lb. bot.	1.75	: 2.00	c/l wks. ....	..	: 1.10
Diethyl Sulfate tech. 50 gal. drs. ....	.40	Bromide, 115 lb. drs. ....	..	: .40	350 lb. bbls. c/l wks. ....	..	: 1.25
CP drums .....	.50	Butyrate, 5 lb. bot.	1.45	: 2.00	Bbls. lc/l wks. ....	..	: 1.50

ALPRO

ACETATES

ETHYL — AMYL — BUTYL

The Miner Edgar Company
 Rail and Water Facilities
 110 William Street
 New York

Chemicals

GLYCERIN, C. P. 100 lb. drs. .17% : .18			INDOL, C. P. 1 oz. bot. .10.00 : 11.00			Lead—(continued)		
Second Hands, drs.	.17% : .17%		Iodides, see Potass. Iodide, etc.			Arsenate, 100 lb. bbls. lc/l wks. lb.	.12 : .13	
Cans, 50 lb.	.19 : .19		IODINE, crude, 200 lb. kegs. 3.90 : 3.95			Bbls. c/l wks.	.09 : .11%	
Dynamite, 1000 lb. drs.	.17 : .17%		Reublimed, 10 lb. jars.	4.40 : 4.40		Paste, 600 lb. bbls.	.09 : .10	
Saponification, tanks.	.12% : .12%		Tincture, USP 50 gal. bbls. gal.	4.10 : 4.25		Iodide, USP VIII 5 lb. bot.	.30 : .30	
Soup, Lye, tanks.	.11% : .11%		Iodoform, powd. 10 lb. bot.	5.35 : 5.35		Nitrate, 500 lb. bbls. wks.	.22 : .22	
Gua Powder, see chrysarobin			Crystals, 10 lb. bot.	6.35 : 6.35		Oxide, lithge. 500 lb. bbls. wks. lb.	.08 : .08	
Graphite, crude 220 lb. bags.	15.00 : 35.00		Ionone, (violet) 1 lb. bot.	5.50 : 8.00		100 lb. kegs wks.	.12% : .12%	
Flake, 500 lb. bbls.	.08 : .09		Iridium, metal 100z. lots.	185.00 : 185.00		Oxide, red 500 lb. bbls. wks.	.09 : .09	
Gualacol liquid, USP 25 lb. cans.	2.75 : 3.00		Iron, metal by hydrogen 1 lb. bot.	.60 : .60		100 lb. kegs wks.	.12% : .12%	
Benzoate, 1 lb. bot.	18.00 : 18.00		IRON & AMM. CITRATE, USP 25 lb. cans.			Peroxide, 100 lb. drs.	.25 : .25	
Carbonate, 5 lb. boxes.	3.25 : 3.75		Green scales, 25 lb. cans.	.84 : .84		White, basic carb. 500 lb. bbls.	.07% : .07%	
HAARLEM OIL, Dom. 6 gr. cs. gross	3.50 : 3.50		Cacodylate, 10 lb. bot.	9.00 : 10.00		Bbls. c/l wks.	6.28 : 6.28	
Imported, 6 gr. cases.	5.25 : 5.35		Citrate, USP VIII 25 lb. cans.	.90 : .90		100 lb. kegs wks.	.12% : .12%	
Hellotropin, 10 lb. bot.	2.25 : 2.50		Chloride, see ferric or ferrous			White, sulfate 500 lb. bbls. wks.	.07% : .07%	
Hexamethylenetetramine, USP			Hypophosphite, 5 lb. cans.	1.50 : 1.60		Bbls. c/l wks.	6.28 : 6.28	
100 lb. drums	.70 : .72%		Syrup, USP VIII.	.30 : .30		100 lb. kegs wks.	.12% : .12%	
Rubber Makers, Impalp. Pd.			Iodide, 1 lb. bot.	3.80 : 3.80		LIME, Salts, see Calcium Salts		
Second Hands, USP	.67 : .68		Syrup, USP 5 lb. bot.	.38 : .39		Hydrate, 200 lb. bbls.	.75 : 1.00	
Homatropine Hydrobrom. USP 1 oz.	15.00 : 16.00		Oxalate, scales 25 lb. cans.	.80 : .82		Sulfur, dry 200 lb. drs. NY.	.11 : .13	
Hydrastine Alk., USP 5 oz. 1/4s	17.50 : 18.00		& Ammon. Oxalate, 25 lb. bxs.	.45 : .50		Drs. c/l NY.	.10% : .10%	
Hydchlide, USP 5 oz. 1/4s vis.	17.50 : 18.00		& Potassium Oxalate, 25 lb. bxs.	.47 : .48		Linalool, 5 lb. bot.	4.50 : 5.50	
Sulfate, 5 oz. 1/4s vis.	20.00 : 20.00		Phosphate, USP 25 lb. cans.	.89 : .89		Linalyl Acetate, 1 lb. bot.	8.00 : 9.00	
Hydrastine Hydchlide, USP 15 gr.	60.00 : 60.00		Pyrophosphate, USP 25 lb. cans.	.90 : .97		Benzoate, 1 lb. bot.	13.00 : 14.00	
Hydrobenzene, 100 lb. kegs.	1.30 : 1.35		Iso-Eugenol, 1 lb. bot.	4.00 : 4.50		Litharge, see lead oxide		
HYDROGEN PEROXIDE, 25 vol. 400 lb. bbls.	.10 : .10		JALAP RESIN, lump 5 lb. tins.	3.10 : 3.35		Lithium Carb. USP 100 lb. kegs.	1.40 : 1.50	
USP bot. 4 oz. cases.	7.75 : 7.75		Powd., tins	3.25 : 3.45		Citrate, USP 100 lb. kegs.	1.60 : 1.70	
Bot. 8 oz. cases.	11.00 : 11.25		KIESELGUHR, 90 lb. bags NY.	35.00 : 40.00		Lithopone, 400 lb. bbls. lc/l wks.	.06% : .06%	
Bot. 16 oz. cases.	18.50 : 18.75		LANOLIN, see Adeps Lanae			Bbls. c/l wks.	.06% : .06%	
Hydroquinone, 100 lb. kegs.	1.10 : 1.15		LEAD, metal c/l NY.	6.05 : 6.05		Imported, bbls.	.05% : .05%	
Hyocine Hydrobrom. USP 1 oz.	17.50 : 17.50		Acetate, white crystals 500 lb. bbls. wks.	.10% : .11		MAGNESITE, crude	15.00 : 15.00	
Hyocamine Alk. Cryst. 1 oz. vis.	21.00 : 21.00		White, broken, bbls. wks.	.11 : .11%		Calcined, 500 lb. bbls.	55.00 : 55.00	
Alkaloid, Amorphous, 1 oz. vis.	60.00 : 60.00		White, gran., bbls. wks.	.10% : .10%		Magnesium mt., sticks 100 lb. cs. lb.	1.25 : 1.25	
Hydrobromide, USP 1 oz. vis.	30.00 : 30.00		White, powd., bbls. wks.	.11% : .11%		Carb. tech. 70 lb. bags NY.	.06 : .06%	
Sulfate, 1 oz. vials.	18.00 : 19.00		Kegs, wks.	.11% : .12%		75 lb. bbls. NY.	.06 : .06%	
			Brown, broken, bbls. wks.	.09% : .09%		USP, 60 lb. bbls.	.12 : .13	
			USP, 100 lb. kegs.	.13 : .15		USP, blocks 100 lb. cs. 1, 2, 4 oz.	.25 : .29	
						Chloride, fused 575 lb. drs. c/l	32.00 : 32.00	
						Flaked, 350 lb. drs. wks.	34.00 : 34.00	
						Imp., fused 900 lb. bbls. NY. ton	26.00 : 28.00	

Its wide acceptance by exacting consumers
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PERTH AMBOY

Formaldehyde

"America's Standard"

Specify the original "Perth Amboy"

Perth Amboy Chemical Works,
New York

Chemicals

Magnesium—(continued)			Mercury—(continued)			Musk Ambrette, 1 lb cans.....		
Fluoridate, crystal 5400 lb bbls.			Red Precip. USP 25 lb bxs.....	1.10		Ketone, 1 lb cans.....	12.00	14.00
Wks. ....	.15	15%	Powder, USP 25 lb bxs.....	1.20		Xylene, 5 lb cans.....	8.00	10.00
30% soln. 500 lb bbls. wks.....	.07	.08	White Precip. USP 25 lb bxs.....	1.24			2.25	2.75
Soln. bbls. c/l wks.....		.08	Powder, USP 25 lb bxs.....	1.29		NAPHTHA , Solvent, 110 gal. drs.		
Glycerophosphate, 5 lb bot.....	3.20		With chalk, USP 25 lb bxs.....	.58		Wks. ....		.38
Hypophosphite, 5 lb cans.....	1.20		Meta-Nitroaniline, 300 lb bbls.....	.75		8000 gal. tank car wks.....		.37
Oxide, USP Light 100 lb bbls.....	.53		Meta-Nitro-para-Toluidine, 300 lb			NAPHTHALENE , Flake, 175 lb bbls.		
USP, heavy 250 lb bbls.....	.40		bbls.	2.25	2.30	Wks. ....	.07%	.08
Peroxide, 5 lb cans.....	2.15		Meta-Phenylenediamine, 300 lb	1.50	1.60	Bbls. c/l wks.....		.07
Perborate, 1 lb tins.....	2.50		Meta-Toluylenediamine, 300 lb			Bbls., second hands NY.....	.08%	.07%
Salicylate, 100 lb kgs.....	.62		bbls. ....	.95	1.00	Balls, 250 lb bbls. wks.....	.08%	.08
Sulfate, see Epsom Salts			Methyl Acetone, 700 lb drums.....	.50	.55	Bbls. c/l wks.....	.07%	.08
Manganese Chloride , 600 lb csk.			Anthranilate, 1 lb bot.....	2.75	3.00	Bbls. Second Hands, NY.....	2.00	2.50
NY .....	.09%	10%	Chloride, 90 lb cyl.....	.50		Nickel Metal , electrolytic 100 lb		
Borate, 200 lb bbls.....		.15	Cinnamate, 1 lb bot.....	5.00	5.75	kgs.....		.38
100 lb kgs.....		.19	Paracresol, 1 lb bot.....	8.00	9.00	Shot, 100 lb kgs.....		.37
Dioxide, 80-94% 900 lb bbls.			Salicylate, USP 50 lb cases.....	.41		Salt, single 400 lb bbls. NY.....	.07%	.08
NY	50.00	55.00	500 lb drums.....	.39		Double, 400 lb bbls. NY.....	.08	.09
85-90%, 900 lb bbls. NY.....	55.00	60.00	Second Hands, cases.....	.40	.41	Oxide, 100 lb kgs NY.....	.40	.43
Hydrated, precip. 100 lb kgs.....	.32	.35	Methylene Blue , tech. 100 lb kgs.....	1.75	2.00	Nitro Cake , bulk wks.....		6.00
Glycerophosphate, 1 lb bot.....		3.90	USP, medicinal 5 lb cans.....	3.00	3.50	500 lb bbls.....		7.50
Hypophos. USP VIII 5 lb cans.....		1.85	Michler's Ketone, 225 lb bbls.....		3.00	Nitrobenzene , crude 1000 lb drs.		
Iodide, 1 lb bot.....		6.25	Milk, powd. 150 lb bbls.....	.14	.15	Wks. ....	.08%	.09%
Ore, bulk NY.....		.30	Milk Sugar, see sugar of milk			Redistilled, 1000 lb drs. wks.....	.09	.10
Sulfate, 600 lb casks NY.....	.10	.11	Mineral Oil, see oil mineral			Nitronaphthalene, 550 lb bbls.....	.30	.33
MENTHOL, USP 60 lb cases.....		6.25	Monochlorobenzene, see chlorobenzene			Nitrotoluene , mixed 1000 lb drs.		.16
Less cases, 5 lb tins.....	6.40	6.50	Monothylamine, 900 lb drs.....	1.00	1.05	Wks. ....	.14	.16
MERCURY , metal 75 lb flask.....	67.00	68.00	MORPHINE Sulfate , USP 5 oz. tins			OIL MINERAL , wh. 50 gal. bbls.....	.75	1.25
Less Flasks, 5 lb jugs.....	.89	.94	10 oz.	5.35		Oil Mirbane, see nitrobenzene		
Niechloride, cryst. 25 lb bxs.....		.96	Acetate, 5 oz. tins 10 oz. lots.....	5.35		Opium, see crude drugs		
Gran. powd. 200 lb kgs.....		.81	Hydrobromide, 5 oz. tins 10 oz.		5.35	Orange Mineral, 800 lb casks NY.....		.13%
Biocitate, 25 lb boxes.....		.61	lots	5.35		500 lb bbls. NY.....		.14
Blue Mass, 25 lb boxes.....		.56	Hydride, 5 oz. tins 10 oz.		5.35	Ortho-Aminophenol, 50 lb kgs.....	2.50	3.00
Powdered, 25 lb boxes.....		.55	lots	5.35		Ortho-Anisidine, 100 lb drs.....	2.00	3.10
Blue Ointment , USP 25 lb cans			Diacetyl Alk., 1/4 oz. via. 10		8.95	Ortho-Dichlorobenzene, 1000 lb drs.		
50% .....		.72	oz.		8.10	Wks. ....	.15	.17
USP, dilute 25 lb cans 30%.....		.56	Hydride, 1/4 oz. via. 10 oz.....		9.45	Ortho-Nitrochlorobenzene, 1200 lb		.32
33 1/3% Mercury.....		.59	Ethyl Hydride, 1/4 oz. via. 10			dr. wks. ....	.68	.75
Calomel, 50 lb bxs.....		1.00	oz.			Ortho-Nitrotoluene, 1000 lb drs.		
Citric Acid, 25 lb jars.....		.45	Small Sizes: 1/4 oz. vials, 50c extra;			Wks. ....	.16	.18
Iodide, green 25 lb jars.....		3.41	1/4s 25c extra; single oz. vials, 75c			Ortho-Toluidine, 350 lb bbls.....	.16	.20
Red, USP 25 lb jars.....		3.51	extra, over price for 5 oz. tins, 25 oz.			Oxgall, USP 5 lb bot.....		1.50
Yellow, USP VIII 25 lb jars.....		3.41	lots in 5 oz. tins, 10c oz. lower than					
			above schedule.					

1816

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PALLADIUM , metal 10 oz. lots on 51.00 : 53.00	PETROLATUM , green 300 lb bbls. lb .02% : .03	Podophyllin , 5 lb bot. 3.35 : 4.25
Pancrostatin , USP 5 lb bot. 1.50 : 1.60	Dark Amber , 300 lb bbls. .... .04 : .04%	POTASH, CAUSTIC , solid 88-92%
Papain , 1 lb bot. 2.25 : 2.50	Light Amber , 300 lb bbls. .... .04% : .05	700 lb dra. wks. .... .09 : .10
Paraffin , ref'd. 200 lb cs. slabs	Cream White , USP 300 lb bbls. lb .07 : .07%	Dra. c/l wks. .... .08 : .08
120-125 Deg. M. F. .... .03% : .03%	Lily White , USP 300 lb bbls. lb .09 : .09%	Imp., 88-92% 700 lb dra. NY. lb .05% : .06%
125-130 Deg. M. F. .... .04 : .04%	Snow White , USP 300 lb bbls. lb .12% : .13	USP, by alcohol 5 lb cans. .... .45
130-135 Deg. M. F. .... .04 : .04%	PHENOL , see also acid carbolice	USP, purified 10 lb cans 120 lb
135-140 Deg. M. F. .... .05 : .08%	Open market, 950 lb drs. .... .20 : .22	cases .... .30 : .35
Para-Ambocetanilid , 100 lb	475 lb drs. .... .20 : .22	POTASSIUM Acetate , USP 100 lb
kegs 1.25 : 1.35	Natural 950 lb drs. wks. .... .20 : .20	kegs .... .28 : .29
Para-Aminophenol , 100 lb kegs. lb 1.10 : 1.25	475 lb drs. wks. .... .20 : .20	Bicarbonate , crys. 220 lb bbls. lb .07% : .10
Hydrochloride , 100 lb kegs. 1.20 : 1.25	Phenolphthalein , USP 100 lb drs. lb 1.40 : 1.50	Bichromate , crys. 900 lb casks
Para-Anisidine , 100 lb kegs. 3.00 : 3.25	5 lb cans, 100 lb lots. 1.45 : 1.55	wks. .... .10 : .11
Technical , kegs 1.65 : 1.75	Phenylacetaldehyde , 1 lb bot. 7.50 : 9.00	Powd., 900 lb casks wks. .... .13 : .18%
Para-Dichlorobenzene , 270 lb bbls.	Phenylacetic Acid , 1 lb bot. 2.50 : 3.00	Binoxalate , 300 lb bbls. .... .34 : .38
wks. .... .17 : .30	Phenyl-Alpha-Naphthylamine 100 lb	Bisulfate , C.P. 5 lb cans. .... .30
Paraldehyde , 100 gal drs. .... .21 : .23	kegs .... .25 : .27	100 lb kegs .... .22
Paraformaldehyde , USP 100 lb cs. lb .40 : .45	Phenylethylalcohol , 1 lb bot. 4.00 : 5.00	BROMIDE , USP cryst. 450 lb
Para Nitroacetanilid , 300 lb	Phosgene , cylinders wks. .... .60 : .65	bbls. .... .22
bbls. .... .55 : .60	Phosphorus Oxide , 175 lb cyl. lb .30 : .35	Granular , 300 lb bbls. .... .22
PARA-NITROANILINE , 300 lb bbls.	Phosphorus, red 110 lb cs. wks. lb .50 : .50	Case , 100 lb .... .23
wks. .... .73 : .78	Imported, 112 lb cases. .... .25 : .27	Imported , USP 220 lb cs. .... .15 : .16
Para-Nitrochlorobenzene , 1200 lb drs.	Phosphorus Sesquisulfide , 105 lb cs.	Cases, 112 lb .... .15 : .16
wks. .... .25 : .37	wks. .... .42% : .42%	CARBONATE , 30-35% calc.
Para-Nitro-ortho-Toluidine , 300 lb	Phosphorus, yellow 110 lb cs. wks. lb .25 : .35	800 lb cks. .... .04% : .05
bbls. 2.75 : 2.85	Imported, 112 lb cases. .... .28	80-85%, hydrated, 800 lb.
Para-Nitrophenol , 185 lb bbls. .... .70 : .75	Phosphorus Trichloride , 175 lb cyl	cks. .... .08% : .08%
Para-Nitrosodimethylaniline , 120 lb	wks. .... .30 : .35	90-95% casks .... .05% : .06
bbls. .... .60 : .75	Pilocarpine Hydrochloride , USP 1 oz.	96-98% casks .... .06% : .06%
Para-Nitrotoluene , 350 lb bbls.	vis. 7.00 : 7.25	USP, 100 lb kegs .... .09 : .10
Para-ox-Benzaldehyde , 100 lb	Nitrate , 1 oz. vis. 25 oz. 7.00 : 7.25	Chlorate , crys. 112 lb kegs. NY. lb .07% : .08
kegs 1.50 : 1.60	Phthalic Anhydride , 175 lb bbls. lb .35 : .40	Imp. 112 lb kegs NY. .... .07% : .07%
Para-Phenetidin , 500 lb drs. 1.35 : 1.40	Alkaloid , 15 gr. vis. .... .135	Powd., 112 lb kegs NY. .... .07% : .08
Para-Phenylenediamine , 350 lb	Piperazine Hydrate , 1 lb bot. 16.00	Imp. kegs NY. .... .06% : .06%
bbls. 1.50 : 1.60	Pitch , Coal-Tar wks. 30.00 : 33.00	Pyrotechnic , fine powd. NY. lb .07 : .07%
Para-Toluene-Sulfonamide , 175 lb	Plaster Paris , tech. 230 lb bbls. bbl 4.25 : 4.40	USP, fine crys. 110 lb kegs
bbls. .... .40 : .42	True Dental , bbls. 4.35 : 4.50	NY .... .08 : .09
Para-Toluene-Sulfonchloride , 410 lb	Platinum , metal soft 10 oz. lots. oz. 118.00	Citrate , USP 10 lb cans. .... .65
bbls. wks. .... .11 : .14		Glycerophosphate , 75% Soln. 5 lb
Para-Toluidine , 350 lb bbls. wks. lb .95 : 1.10		cans 1.65
Paris Green , basis, 500 lb kegs.18 : .20		
Paris White , see whitening, French		
Pepsin , USP 5 lb bot. 2.50 : 2.75		

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Specifications on Request

Chemicals

Potassium—(continued)

Guaiacol Sulfonate, 5 lb cans, 10 lb	1.50	: 1.75
Hypophosphite, 10 lb cans.....	..	: .85
Iodide, USP, 100 lb cans.....	..	: 8.45
Second Hands, cans.....	3.20	: 3.25
Lactophosphate, 4oz bot.....	..	: .90
Metabisulfite, 300 lb bbls.....	..	: .23
Imp., 300 lb bbls.....	.12	: .14
Muriate, 80%, 200 lb bags, NY K ₂ O unit .....	.62½	: .65
Nitrate, see Saltpetre		
Oxalate, neutral, 100 lb kegs.....	.40	: .50
Perchlorate, 112 lb kegs.....	.12	: .14
Pernangan, USP crys, 112 lb drs.....	.17	: .18
USP small cry, 112 lb drms.....	.17	: .18
Prussiate, red, 350 lb bbls.....	..	: .90
500 lb casks.....	..	: .88
Prussiate, yellow, 500 lb casks.....	.35½	: .37
Salicylate, 25 lb cans.....	..	: .67
Sulfate, 200 lb bags, NY, K ₂ O unit USP, VIII, 100 lb kegs.....	.18	: .20
Sulfocyanide, CP 25 lb jars.....	..	: .75
Tartrate, neutral, 25 lb cans.....	..	: .60
Titanium Oxalate, 200 lb bbls, freight allowed.....	..	: .35
Pumice Stone, lump, 250 lb bbls.....	.04	: .06
Powdered, 350 lb bbls.....	.02½	: .03½
Pyridine, 50 gal drums.....	1.50	: 1.75
QUICKSILVER, see Mercury		
Quinine Alk., 1000z tins.....	.70	: .75
Sulfate, 1000z tins.....	..	: .50
QUININE SULFATE, USP,		
American, 1000z tins.....	..	: .50
10z tins, 1000z lots.....	..	: .57
Dutch, 1000z tins.....	..	: .50
Java, 1000z tins.....	..	: .50
Japanese, 1000z tins.....	..	: .50
QUININE ALK., USP, 1000z tins.....	..	: .67
Acetate.....	..	: .88
Arsenate.....	..	: .88
Benzate.....	..	: .88
Bisulfate, USP.....	..	: .50
Citrate.....	..	: .62
Dihydrochloride, USP.....	..	: .66

Quinine—(continued)

Dihydrochloride.....	..	: .68
Dicarbonate, 100z tins.....	..	: 2.50
Ethyl Carbonate, 100z tins.....	..	: 1.10
Ferrocyanide.....	..	: .88
Formate.....	..	: .85
Glycerophosphate.....	..	: .88
Hydriodide.....	..	: .88
Hydrobromide, USP.....	..	: .62
Hydrochloride, USP.....	..	: .62
Hydrochlorosulfate.....	..	: .66
Hydrochloride & Urea, USP.....	..	: .88
Hypophosphite.....	..	: .83
Lactate.....	..	: .78
Phenolsulfonate.....	..	: .88
Phosphate.....	..	: .74
Salicylate, USP.....	..	: .63
Tannate, USP.....	..	: .45
Tartrate.....	..	: .88
Valerate.....	..	: .89
Small Sizes: 10z vials or cans, 500z lots, 5c os extra; 50z cans, 500z lots, 3c os extra; 250z cans, 500z lots, 2c os extra; single 10z vials or cans, 5c extra. All minor quinine salts sold and quoted basis 1000z lots in 1000z cans. Sulfate and bisulfate sold basis 1000z lots in 1000z cans. Smaller orders or containers extra as above schedule.		
R SALT, 250 lb bbls wks.....	.50	: .52
Red Lead, see lead oxide		
Red Precipitate, see mercury.		
Resorcinol, see resorcinol.		
Resorcinol tech. 100 lb kegs.....	1.50	: 1.55
USP, 25 lb cans.....	2.00	: 2.10
Rochelle Salt, USP, 225 lb bbls.....	..	: .21
Imp. USP, 300 lb bbls.....	.17	: .18
Rosewater, triple, 5 gal demis.....	1.50	: 1.60
SACCHARIN, USP, 1 lb cans, 25 lb	1.90	: 2.00
Soluble, USP, 1 lb cans, 25 lb.....	1.90	: 2.00
Second Hands, 1 lb cans, 25 lb.....	1.85	: 2.00

Safrol, 60 lb cans.....	.55	: .60
Sal Ammoniac, see Ammon. Chloride		
Salicin, USP, 1 lb cartons, 25 lb.....	3.75	: 4.00
Salol, USP, 100 lb drums.....	..	: .80
Salt, Common, see sodium chloride.		
Salt Cake, c/l f.o.b. wks.....	18.00	: 20.00
SALTPETRE, gran., 500 lb bbls wks.....	.07½	: .08½
Bbls c/l wks.....	..	: .08½
Imported, 500 lb bbls.....	.08½	: .09½
Santonin USP, 1 lb bot.....	172.00	: 175.00
Powd, 1 lb bot.....	173.50	: 176.50
Saponin, ex Quillaja, 5 lb tins.....	..	: 1.55
chaeffer's Salt, 250 lb bbls wks.....	.60	: .65
Scopolamine, see hyoscine.		
Selditz Mixture, 225 lb bbls.....	..	: .17
SILVER, metal, American.....	..	: .99½
Foreign.....	..	: .68½
Colloidal, 16oz bot.....	..	: 1.60
Nitrate, USP, 200oz bot.....	..	: .46½
Nucleinate 16oz bot.....	.40	: .45
Proteinate, 16oz bot.....	.39	: .42
Soap, Castile, 40 lb bxs.....	.20	: .25
Powd. USP, 250 lb bbls.....	.28	: .29
Green, USP, 150 lb kegs.....	.08	: .08½
Prices on soda alkalies are based on actual percentages and not N. Y. & L. test.		
SODA ASH, 58% light bgs resale NY flat, ex-warehouse.....	..	: 2.01
Contract, Basis 48% bags c/l wks.....	..	: 1.30
Prompt and spot, Basis 48% bags c/l wks.....	1.25	: 1.30
Soda Ash, 58% dense, bags resale ex-warehouse, NY.....	..	: 2.07
Contract, Basis 48% bags c/l wks.....	..	: 1.25
Pmt, and spot, Basis 48% bags c/l wks.....	1.30	: 1.35

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 Cocaine and Salts
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 Colchicine Salicylate
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 Silver Proteinate
 Sodium Cacodylate
 Sparteine Sulphate
 Strophanthin
 Strychnine and Salts
 Theobromine and Salts
 Veratrine and Salts
 Yohimbin Hydrochloride


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Chemicals

SODA, CAUSTIC, 76% solid, resale,		
NY flat	100 lb	3.50 : 3.60
Contract basis 60% c/l wks	100 lb	...
Fmpt and spot, Basis 60%	c/l wks	2.57½ : 2.60
Contract 60% low grade c/l	wks flat	...
Ground & flake, 76% pmpt and	spot, wks c/l drs	100 lb
Contract, 76% drums, c/l wks	flat	...
USP, stick, 5 lb cans	...	.18 : .18
Pure, stick, by alcohol	...	.28 : .30
SODIUM ACETATE, crys 450 lb bbls		
wks.	...	.07 : .07½
Ton lots, bbls wks.	...	.06 : .07
Aluminum Sulfate, see alum soda.		
Benzonate, USP, 250 lb bbls	...	.55 : .60
Bicarbonate, 400 lb bbls	100 lb	...
Bbls c/l wks	...	2.15 : 2.15
112 lb kegs	...	2.00 : 2.00
112 lb kegs, NY	...	2.40 : 2.40
Bichromate, 600 lb casks wks	...	.07½ : .07½
Casks, c/l wks	...	.06½ : .07
Bisulfite, dry powder, 500 lb	...	...
bbls, wks	...	.04 : .04½
Solution, 32-40°, 500 lb bbls	wks	1.35 : 2.00
Bromide, USP, Cryst 500 lb bbls	...	...
Cases, 100 lb	...	.19 : .19
Imp. USP, 112 lb c/s	...	.17 : .18
Cacodylate, USP, 5 lb bot,	25 lb	...
Carbonate, sal soda, 350 lb bbls	wks	1.75 : 1.90
Ton lots, wks	...	1.65 : 1.65
USP monohyd, 100 lb keg	...	.06 : .06
Pure photographic, 100 lb	...	...
Chlorate, 112 lb kegs, wks	...	.07 : .08
Imported, 112 lb kegs	...	.06½ : .06½

Sodium—(continued)		
Chloride, tech 200 lb bags, ton	12.00	: 15.00
C. P. 300 lb bbls	...	.05 : .06
Citrate, USP, IX, 100 lb kegs	...	.64 : .64
USP, VIII, 100 lb kegs	...	.57 : .57
Cyanide, 98-98%, 100 lb cases	NY	...
Ton lots, NY	...	.24 : .25
73-76%, 100 lb cases, NY	...	.23 : .23
Imp. 128%, 200 lb cases	...	.22 : .22
120% cases	...	.19 : .20
Fluoride, 350 lb bbls, NY	...	.09½ : .10
Glycerophos, USP, crys 25 lb	cans	1.70 : 1.75
Solution, USP, 50 lb clys	...	1.15 : 1.20
Hydro sulfite, 200 lb bbls, fob, wks	...	.19 : .22
Hydroxide, see Soda Caustic		
Hypophosphite, USP, 25 lb cans	...	.75 : .75
HYPOSULFITE, crys, 375 lb bbls		
wks	...	3.20 : 3.25
Bbls c/l wks	...	3.10 : 3.10
100 lb kegs wks	...	3.35 : 3.50
Granulated, bbls wks	...	3.80 : 3.85
Bbls c/l wks	...	3.70 : 3.70
Kegs wks	...	3.95 : 4.10
Iodide, USP, 25 lb jars	...	3.90 : 3.90
Metanilate, 150 lb bbls	...	.80 : .82
Naphthionate, 300 lb bbls	...	.60 : .62
Nitrate, crude, 95%, 200 lb bgs	c/l NY	2.55 : 2.60
Futures, NY	...	2.25 : 2.35
Double Refined, 400 lb bbls	wks	.04½ : .04½
Nitrite, 500 lb bbls wks	...	.09 : .09
Bbls spot, makers	...	.09½ : .09½
Imp, 650 lb casks	...	.08½ : .09
Ortho-Chloro-para-Toluene Sul-	fonate, 175 lb bbls wks	.25 : .27
Oxalate, neutral, 100 lb kegs	...	.47 : .47
Perborate, 275 lb bbls	...	.24 : .24
Imp, 225 lb drs	...	.19 : .20
Peroxide, 200 lb cases	...	.25 : .27

Sodium—(continued)		
Phosphate, di-sodium, tech 550 lb	bbls	.03½ : .04½
USP, gran. 275 bbls	...	.07 : .07½
USP, recrys 275 bbls	...	.13 : .14
Mono-sodium, 100 lb kegs	...	.25 : .27
Tri-sodium tech 550 lb bbls	...	.03 : .03½
Picramate, 100 lb kegs	...	.55 : .57
Para-Toluene Sulfonate, 175 lb	bbls	.08 : .09
PRUSSIAN, yellow, 450 lb cks	...	.24 : .24½
Pyrophosphate, 100 lb kegs	...	.14 : .14
Salicylate, 100 lb kegs	...	.36 : .36
Second Hand, USP, kegs	...	.34 : .36
Silicate, 60° bbls wks	100 lb	2.00 : 2.10
600 lb drs wks	...	.95 : 1.20
Silicofluoride, 450 lb bbls NY	...	.08 : .08½
Sulphate, see Glauber's Salt.		
Sulfide, 60% solid, 650 lb drs	wks	.05 : .05½
Drs. c/l wks	...	.04½ : .04½
Imp, 700 lb drs NY	...	.04 : .04½
60% broken, 650 lb drs wks	...	.05 : .05½
Imp, 500 lb drs NY	...	.04½ : .04½
30% crys, 400 lb bbls wks	...	.02½ : .03
Sulfite, crys, 400 lb bbls wks	...	.03½ : .03½
Dessicated, 400 lb bbls	...	.09½ : .10
Sulfocarbonate, USP, 100 lb	kegs	.25 : .30
Sulfoyanide, 400 lb bbls	...	.45 : .47
Tungstate, crys 100 lb kegs	...	.55 : .55
Dessicated, kegs	...	.65 : .65
Solvent Naphtha, see Naphtha.		
Spartein Sulfate, USP, 25oz bulk oz	...	.40 : .40
Starch, rice, 140 lb bags	...	.06 : .08
STRONTIUM Bromide, USP, 100 lb		
kegs	...	.29 : .29
Carb. 600 lb bbls, wks	...	.07 : .07
100 lb kegs wks	...	.08 : .08
Iodide, USP, 25 lb jars	...	3.70 : 3.70
Nitrate, 600 lb bbls, wks11 : .11½
Imp, bbls NY09½ : .09½
Salicylate, USP, 100 lb kegs60 : .60
100 lb kegs wks11½ : .12



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superior service.

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MODIFIED SODA

Chemicals

STRYCHNINE Alkaloid, USP, crys			Sulfuryl Chloride , 600 lb drs B			WHITE LEAD , see lead, white.		
1000s tins	...	1.05	TALC, Italian, 220 lb bags NY ton	30.00	40.00	White Precipitate, see mercury.	...	...
Alk, powd, USP	...	.95	French, 220 lb bags NY ton	20.00	30.00	Whiting, 200 lb bags, c/1 wks. ton	...	18.00
Acetate	...	.95	Dom. crude, 100 lb bags NY ton	15.00	18.00	Bags, 1/c1 wks.	...	23.00
Glycerophosphate, USP	...	.95	Refined, 100 lb bags NY ton	30.00	30.00	French, bags, NY	...	14.00
Hydrobromide	...	.95	Tartar Emetic, tech, 300 lb bbls. B	29	29 1/2	English, bags, NY	...	23.00
Hydrochloride	...	.95	USP, 300 lb bbls	.36	.37	Rich Hazel Extract, 50 gal bbls gal	1.20	1.25
Hypophosphite	...	1.05	Terpin Hydrate, USP, 100 lb kegs B	.63	.65	XYLENE , 2° dist range, nitration		
Nitrate, USP	...	.95	Terpinol, CP 1000 lb drums B	.50	.60	100 gal drs wks.	...	.45
Phosphate	...	.95	Cans, 50 lb	.55	.60	5° dist range, 8000 gal tanks	...	.50
Sulfate, USP, crys powd	...	.76	Imported, cans, 25 lb	.70	.75	110 gal drs wks.	...	.40
Saccharinate	...	2.05	erpenyl Acetate, 25 lb cans B	1.65	1.75	110 gal drs wks.	...	.45
Strychnine preparations quoted bases			Terra Alba, 300 lb bbls B	.02	.02 1/2	Xylidine, 900 lb drs B	.42	.43
1000s lots in 1000s tins. Small Bases;			Theobromine Alk, 5 lb cans B	4.95	5.10	YARA YARA , 1 lb tins		
1/4 oz vials, 50c extra; 1/2 oz vials, 25c			Thiocarbamid, 170 lb bbls B	.35	.37	Yohimbin Hydrochloride, 1 oz vials	5.00	9.50
extra; single ounce vials, 7c extra.			Thymol, USP, 10 lb cans B	4.20	4.40	ZINC , METAL, high grade, slabs		
Sugar Milk, USP, 200 lb bbls B	...	.19	Iodide, 5 lb boxes B	6.70	7.09	c/1 NY	...	7.00
Second Hands, USP, bbls B	.30	.31	TIN, Metal Straits, NY 100 lb	32.10	32.25	Common, Slabs, c/1 NY 100 lb	...	6.80
Sulfonal, see Sulfonmethane.			American standard, NY 100 lb	...	32.00	Mossy, 25 lb bxs NY	...	.26
Sulfonmethane, USP, 5 lb bxs B	...	4.50	99% American, NY 100 lb	31.62 1/2	32.87 1/2	Ammonium Chloride, soln, 400 lb	...	...
Sulfonethymethane USP, bxs, 5 lb B	...	5.50	C.P. mossy, 25 lb bxs NY B	...	.91	bbls	...	...
SULFUR , crude, bulk, c/1 NY ton			Bichloride, 50% soln 100 lb	...	...	Carb. tech, 150 lb kegs NY B	.14	.16
Brimstone, 350 lb bags, c/1 100 lb	...	1.75	bbls wks	.10 1/2	.10 1/2	USP, 100 lb kegs	...	.37
Less c/1 bags NY 100 lb	1.85	2.10	Crystals, 500 lb bbls wks B	...	.29	Chloride, fused, 600 lb drs wks B	...	.07
Netl, 500 lb bbls c/1 NY 100 lb	...	2.15	100 lb kegs wks	...	.29 1/2	Drs. c/1 wks	...	.05 1/2
Less c/1 bags NY 100 lb	2.35	2.60	Oxide, 400 lb bbls wks B	...	.38	Imp. drs NY	...	.05 1/2
Flour, Heavy, 280 lb bbls, 100 lb	2.50	3.05	100 lb kegs wks	...	.39	Granulated, 500 lb bbls wks B	...	.08
Light, 100%, 280 lb bbls, 100 lb	2.60	3.15	Tetrachloride, 1000 lb drs wks B	.21 1/2	.22	Imported, drs NY	...	.05 1/2
Rubbermakers 100%, 240 lb	...	...	Tolidine, 350 lb bbls B	1.15	1.20	USP, 25 lb jars	...	.35
bbls NY 100 lb	2.50	3.15	Sulfate, 350 lb bbls B	...	1.00	Crycide, 100 lb drs	...	.42
Commercial, 99%, 150 lb bags	...	...	Toluene, 8000 gal tank cars, wks. gal	...	.30	Dust, 100 lb tins NY	...	.08 1/2
NY 100 lb	1.35	1.65	Tolidine, Mixed, 900 lb drs wks B	...	.35	500 lb bbls, 1c/1 wks	...	.07 1/2
For Dusting, 99%, 100 lb	...	...	Tribromophenol, 100 lb cans B	...	.30	bbls c/1 delivered	...	.07 1/2
bags NY 100 lb	2.00	2.50	Trional, see Sulfonethymethane.	...	.85	Iodide, 5 lb bottles	...	.50
Flowers, 100%, 240 lb bbls	...	...	Triphenyl Phosphate, 450 lb bbls B	...	.45	Nitrate, 25 lb jars	...	.42
NY 100 lb	3.00	3.55	Tripoli, 500 lb bbls	...	3.00	Oxide, Amer. 300 lb bbls, wks. B	...	.07 1/2
Precipitated, 125 lb bbls NY B	.18	.19	Tungsten Ore, bulk, Wolframite,	3.25	3.50	Ebis c/1 wks	...	.07
Lac, 125 lb bbls NY	.10	.11	NY	...	...	French, 300 lb bbls wks	...	.09 1/2
Sulfur Chloride, red, 700 lb drs	...	...	Bulk, Scheelite, NY WO unit	...	...	Ebl c/1 wks	...	.11
wks	...	.05 1/2	UREA, pharm 112 lb cases	...	.40	USP, 100 lb bbls	...	.15
150 lb chys wks	...	.06	VANILLIN, USP, 4000s cans	...	.45	Stearate, USP, 60 lb bbls	...	.20
Yellow, 700 lb chys wks	...	.05	Cans, 1600s	...	.47	Sulfate, 400 lb bbls wks	...	.03 1/2
150 lb chys wks	...	.05 1/2	Second Hands, cans	...	.43	Ebis c/1 wks	...	.03 1/2
Sulfur Dioxide, 100 lb cyl.	.08	.08 1/2	ertrine Sulfate, 10s vials	...	2.50	USP, 100 lb kegs10
Sulfuric Ether, see Ether.	Hydrochloride, 10s vials	...	2.50

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Oils and Fertilizers

Oils

Castor, No. 1 400D bbls.....D13
80D cases.....D14
No. 3, bbls.....D	.12	.12½
China Wood, 375D bbls.....D	.12½	.13
Coast, 8000 gal. tks.....D	.12½	.12½
Orient to N. Y. bbls.....D	.12½	.13
Cocnut Ceylon, 375D bbls. NY..D	.08½	.08½
8000 gal. tanks NY.....D	.06½	.07
Cochin, 375D bbls. NY.....D	.09½	.09½
Tanks, NY.....D	.08½	.08½
Manila, tanks Coast.....D	.06	.06½
Edible, bbls. NY.....D	.10	.10½
Cod, Newfoundland 50 gal. bbls.gal.	.54	.58
Tanks, NY.....gal	.53	.55
Copra, bags c i f NY.....D	.04½	.04½
Corn, ref. 375D bbls. NY.....D	.12½	.12½
Crude, tanks mills.....D	.08	.08½
Bbls. mills.....D	.09½	.09½
Bbls. NY.....D	.10½	.10½
COTTONSEED, crude tks. mills..D	.07	.07½
P. S. Y. 100 bbl. lots NY.....D	.09½	.09½
White, 100 bbl. lots NY.....D	...	.12
Winter yellow, 100 bbls. NY..D	...	.12½
Degras, Amer. 50 gal. bbls. NY..D	.04	.04½
English, bbls. NY.....D	.03½	.04
Neutral, bbls. NY.....D	.08½	.09½
Grease, choice white bbls. NY..D	.07½	.08
Yellow.....D	.05½	.06
Brown.....D	.05	.05½
House.....D	.05½	.06½
Bone naphtha.....D	.04½	.05
Herring, 50 gal. bbls. NY.....gal	.42	.43
Horse, 375D bbls. NY.....D	...	.06½
Lard, city steam bbls.....D	.10½	.11
Compound, bbls.....D	.11	.11½
LAND OIL, prime tech. bbls.....D	.10½	.11½
Edible prime, bbls.....D	...	.14½
OT prime, bbls.....D	.10½	.11
No. 1, bbls.....D	...	.10½
Extra, No. 1 bbls.....D	...	.11½
No. 2, bbls.....D	...	.09½

LINSEED, raw c/l bbls.....gal	...	.88
Ten bbls., raw.....gal	.91	.93
Bottled, 5 bbl. lots.....gal	.93	.95
Double boiled 5 bbl. lots.....gal	.94	.96
Raw, 8000 gal. tanks.....gal	...	.84
Imported, bbls. NY.....gal	.83	.85
Imp. shipment, duty paid bbls.gal	.82	.83
Imp. tks. NY.....gal	...	.78
Menhaden, crude bbls. wks.....gal	.42	.43
Crude, tanks wks Balt.....gal	.40	.41
Light strained, tanks.....gal	...	.54
Light strained, bbls. NY.....gal	...	.60
Yellow bleached, bbls. NY.....gal	...	.62
Extra bleached, winter NY.....gal	...	.65
Blown, bbls. NY.....gal	...	.70
Neatsfoot, 20° c.t. bbls. NY.....D	.18	.20
30° cold test, bbls. NY.....D	...	.14½
Pure, bbls. NY.....D	...	.12½
Oleo Oil, No. 1, bbls. NY.....D	...	.12½
No. 2, bbls. NY.....D	...	.11½
No. 3, bbls. NY.....D	...	.10½
OLIVE, denatured bbls. NY.....gal	1.15	1.18
Edible, bbls. NY.....gal	1.80	2.10
Foots, bbls. NY.....D	.09	.09½
Shipment, duty paid.....D	.09	.09½
Palm Lagos, 1500D casks.....D	.07½	.08
Niger, casks.....D	.06½	.06½
Bonny old Calabar, casks.....D	.06½	.07
Palm Kernel, 1500D casks NY..D	.08½	.09
Peanut, refined bbls. NY.....D	.12½	.13
Crude, mills buyers' tks.....D	.08½	.08½
Crude, bbls. NY.....D	...	.12
Crude, Coast, sellers tks.....D	.08½	.08½
Perilla, bbls. NY.....D	.13½	.14
Shipment, c.i.f. NY bbls.....D	.13	.13½
Shipment, c.i.f. NY c/s.....D	.12½	.12½
Popprseed, bbls. NY.....gal	...	2.50
Rapeseed, refined bbls. NY.....gal	.83	.85
Blown, bbls. NY.....gal	.95	.97
Red Oil, distilled bbls.....D	.08½	.08½
Saponified, bbls.....D	.08½	.08½
Salmon, 8000 gal. tks. Coast.gal	...	.37
Sesame, domestic edible bbls.....gal	2.00	2.50
Sod Oil, bbls. NY.....gal	...	.44

SOYA BEAN, crude tks. Coast..D	.10	.10½
Crude, bulk c.i.f. NY in bond.D	...	.05½
Crude, bulk c.i.f. PC in bond.D	...	.05½
Crude, bbls. NY.....D	.12	.12½
Refined, bbls. NY.....D	.12½	.12½
Amer. pressed, crd. bbls. NY..D	.11	.11½
Sperm, 38° c. t. bled. bbls. NY.gal	...	1.35
45° cold test, bled. bbls. NY.gal	...	1.31
STEARIC ACID, s. p. 200D bags.D	...	.09
Double pressed, bgs.....D	...	.09½
Triple pressed, bgs.....D	...	.10½
Stearine, oleo. bbls.....D	...	.10
Lard, bbls.....D	.14½	.14½
Tallow, edibls 50D tierces.....D	...	.08½
City extra, loose.....D	...	.08½
Tallow Oil, acidless tks. NY.....D	...	.10½
Bbls. c/l NY.....D	...	.10½
Teaseed, crude bbls. NY.....D	.12½	.12½
Walnut, crude bbls. NY.....D	.10½	.11
Whale, nat. winter bbls. NY.....gal	...	.70
Bled. winter bbls. NY.....gal	...	.75
Crude, No. 1, tanks Coast.....D	.08	.08½
Crude, No. 2, tanks Coast.....D	.05½	.06

Fertilizer Materials

Ammon. Sulf. bulk wks.....100D	3.50	3.60
Double bgs. f.a.s. NY.....100D	...	3.55
Blood, dried f.o.b. NY.....unit	4.55	4.60
Bone, 3 & 50 ground raw.....ton	25.00	26.00
Raw, Chicago.....ton	...	25.00
Cyanamide wks.....unit	...	2.75
Fish Scrap, dried wks.....unit	3.90	4.10
NITRATE SODA NY.....100D	2.40	2.50
Phosphate Rock, f.o.b. mines.....ton	2.00	5.50
Florida pebbles, 68-75%.....ton	4.00	5.50
Tennessee, 70-75%.....ton	2.00	5.50
Phosphate Acid, 16% wks.....ton	...	.65
Potassium Muriate, 80%.....unit	.62½	.65
Sulfate.....unit	...	1.00
Steamed Bone Meal, NY.....ton	25.00	30.00
Tankage, ground NY.....unit	4.50	4.10
High grade, f.o.b. Chicago.....unit	4.50	4.10

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(Carloads ex-yard N. Y.)	
Spirits Turpentine, bbls.....gal	1.32
Wood Turpentine, stan distil. bbls.gal	1.25
Destructive distilled, bbls.....gal	1.13
Pitch, prime.....bbl	6.00
Rosins. (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb)	
B.....280 lb	6.25
D.....280 lb	6.55
E.....280 lb	6.55
F.....280 lb	6.55
G.....280 lb	6.55
H.....280 lb	6.55
I.....280 lb	6.55
K.....280 lb	6.55
M.....280 lb	6.65
N.....280 lb	6.90
WG.....280 lb	7.65
WW.....280 lb	8.15
Rosin Oil, first run 50 gal. bbls.gal	.40
Second run, bbls.....gal	.43
Tar, kiln-burnt.....bbl	10.00
Retort.....bbl	10.00

Woods

Barwood, chips.....lb	.04 1/4 : .05
Cainwood, chips.....lb	.09 : .13
Divi Divi, pods 100-200 lb bags.ton	32.00 : 34.00
Fustic, sticks.....ton	35.00 : 37.00
Chips.....ton	.64 : .68
Hemlock, bark.....ton	18.00 : 18.00
Hyperic, chips.....lb	.06 1/4 : .07
LOGWOOD, sticks.....ton	30.00
Chips 150 lb bags.....lb	.02 1/4 : .03
Mangrove bark, African.....ton	35.00
Bark, South American.....ton	25.00 : 30.00

Myrabolans, 150 lb bags J1.....ton	23.00
B1.....ton	24.00
R2.....ton	17.00
Nuts, see Crude Drugs.	
Oak bark, whole.....ton	20.00 : 23.00
Ground.....ton	25.00
Quercitron bark, rough.....ton	10.00
Ground.....ton	20.00 : 25.00
Sumac, Sicily, 160 lb bags.....ton	55.00 : 58.00
Virginia, 150 lb bags.....ton	35.00
Valonia Cups, 28-33% tan.....ton	31.00 : 35.00
Beard, 40% tan, 150 lb bgs.ton	48.00 : 50.00
Wattle bark, 150 lb bags.....ton	38.00 : 40.00

Extracts

Range of prices includes quality
range for large quantity.

Anatto, fine.....lb	.26 : .29
Archil, double 600 lb bbls.....lb	.16 : .18
Triple, 600 lb bbls.....lb	.17 : .19
Conc., 600 lb bbls.....lb	.18 : .20
Chestnut, clarified, 25% tka. wks.ton	.01 1/4 : .01 1/2
Powd., 60% 100 lb bbls. wks.lb	.05 1/2 : .05 3/4
Decolorized, bbls. wks.lb	.09 : .09 1/2
Cudbear, English.....lb	.21 : .23
Cutch, Rangon, 100 lb bales.....lb	.13 : .16
Liquid, 450 lb bbls.....lb	.10 : .11
Tablets, 120 lb boxes.....lb	.13 : .14
Flavine.....lb	.90 : .95
Fustic, solid 50 lb boxes.....lb	.14 : .18
Crystals, 100 lb boxes.....lb	.22 : .24
Liquid, 51° 600 lb bbls.....lb	.10 : .14
Gal extract.....lb	.16 : .18
Gambler, 25% liq. 450 lb bbls.....lb	.06 1/4 : .07
Common, 200 lb cases.....lb	.05 1/4 : .05 1/2
Singapore cubes, 150 lb bags.....lb	.07 : .07 1/2
HEMATINE, Paste, 500 lb bbls.....lb	.11 1/4 : .13 1/4
Crystals, 400 lb bbls.....lb	.18 : .20
Hemlock, 25% 600 lb bbls. wks.lb	.04 : .04 1/4
Hyperic, 51° 600 lb bbls.....lb	.15 : .20
Indigo, Madras bbls.....lb	.85 : .90
Manila, bbls.....lb	1.30

Larch, 25%, 600 lb bbls., wks..lb	.03 1/4 : .03 1/2
Powd. 100 lb bags, wks.....lb	.07 1/4 : .08
Logwood, 51°, 450 lb bbls.....lb	.08 : .10
Solid, 50 lb boxes.....lb	.15 : .21
Madder, Dutch.....lb	.28 : .30
Mangrove, 55% 400 lb bbls.....lb	.06 1/4 : .06 1/2
Myrabolans, 25% liquid bbls.....lb	.05 : .05 1/2
50% solid, 50 lb boxes.....lb	.06 1/4 : .06 1/2
Oak, tanks wks.....lb	.04 1/4 : .04 1/2
23-25% liq. 600 lb bbls. wks..lb	.05 : .05 1/2
Orange Orange, 42° liquid.....lb	.07 : .08
Powd. 100 lb bags.....lb	.14 : .15
Persian Berries.....lb	.27 : .30
QUEBRACHO, 35% liquid tka..lb	.03 1/4 : .03 1/2
450 lb bbls.....lb	.04 : .04 1/2
35% bleaching, 450 lb bbls.....lb	.04 1/4 : .05
Solid 65% 100 lb bales.....lb	.04 1/4 : .04 1/2
Clarified bales.....lb	.05 : .05 1/2
Quercitron, 51° 450 lb bbls.....lb	.06 : .07
Powdered, 100 lb boxes.....lb	.09 : .13
Spruce, 25% liquid tanks wks..lb	.01 : .01 1/4
Powd. 50% 100 lb bags wks..lb	.02 : .02 1/2
Sumac, liquid 450 lb bbls.....lb	.07 : .09

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs.lb	.45 : .50
Blood, domestic, 100 lb drs..lb	.39 : .39
British Gum, 140 lb bags c/l 100 lb	.36 : .37
Bags lc/l.....100 lb	.30 : .30
Dextrin, corn 140 lb bags c/l 100 lb	.33 : .37
Bags lc/l.....100 lb	.69 : .69
Potato 140 lb bags c/l 100 lb	.09 1/4 : .09 1/2
Bags lc/l.....100 lb	.60 : .62
Prussian blue.....lb	.03 1/4 : .03 1/2
Sago Flour, 150 lb bags.....lb	.35 : .45
Spray Yolk 150 lb cs.....lb	2.47 : 2.47
STARCH, powd, 140 lb bgs.c/100 lb	2.75 : 2.75
Bags lc/l.....100 lb	2.85 : 2.85
Pearl, 140 lb bags c/l 100 lb	.05 1/4 : .05 1/2
Potato, domestic, 140 lb bags..lb	.08 1/4 : .08 1/2
Imported, bags duty paid..lb	.05 : .05
Tapices Flour, high grade bags..lb	.03 1/4 : .03 1/2
Medium grade, bags.....lb	.03 : .03 1/4
Low grade, bags.....lb	.09 : .11
Turkey Red Oil, bbls.....lb	.35 : .35
Yolk Oil, bbls.....lb	

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Crude Drugs

Crude Drugs

ACONITE Leaves, bales.....D	..	25
Aconite Root, USP bags.....D	23	25
Agar Agar, 1, 200lb bales.....D	..	1.38
No. 2, bales.....D	1.00	1.05
No. 3, bales.....D	.90	1.00
Agaric, white, cases.....D	..	..
Almonds, bitter bags bxs.....D	25	30
Sweet, bags.....D	30	35
Meal, tins, boxes.....D	28	30
Aletris Root, bags.....D	58	60
Alkanet Root, bags.....D	10	12
Aloes, Barbadoes, 120lb bbls...D	..	60
Cape, 400lb cases.....D	.07½	.08
Curacao, 100lb cases.....D	.06½	.07
Socotrine, whole 100lb cs...D	35	40
Althea Root, cut cases.....D	13	14
Whole bags.....D	.08	.10
Ambergris, black boxes.....oz	..	8.00
Grey, boxes.....oz	..	28.00
Ammoniac, tears bags.....D	1.50	1.60
Angelica Root, dom bags.....D	15	18
Angostura Bark, bags.....D	14	15
Anise, Levant bags.....D	17	17½
Star, cases.....D	13½	14½
Spanish, bags.....D	18½	19
Annato Seed, bags.....D	.03	.03½
ARABIC GUM, 200lb cases.....D	25	27
Seconds, 250lb bags.....D	20	22
Sorts, amber, 200lb bags, bbls.D	.15½	.15½
Powd., USP 300lb bbls.....D	20	22
Areca Nuts, 150lb bags.....D	10	12
Powd., 200lb bbls.....D	12	14
Arnica Flowers, bales.....D	.08½	.09
Root, bags.....D	25	26
Arrowroot, Amer. powd. bbls...D	.05	.06
St. Vincent, powd. bbls.....D	.07½	.08
Asafetida, USP, 250lb cases.....D	.40	.42
Powd., 50lb bxs.....D	.60	.62
BALM GILEAD BUDS, bags.....D	.43	.48
Balmory Herb, bales.....D	.14	.15

Bamboo Brier Root, bags.....D	.06	.08
Barberry Bark, tree bales.....D	.21	.22
Bayberry Bark, bales.....D	.10	.12
Wax, bbls.....D	.19½	.21
Belladonna Leaves, bales.....D	.12	.13
Root, bags.....D	.11	.13
Bees Wax, white bbls.....D	.35	.36
Yellow, refined bbls.....D	.22½	.23
Crude, bags.....D	.22	.24
Benzoin Gum, Siam, boxes.....D	1.40	1.60
Sumatra, 50lb boxes.....D	.60	.70
Berberis Aquifolium Root, bags..D	.16	.17
Beth Root, bags.....D	.15	.16
Boneset Herb, bales.....D	.09	.10
Borage Flowers, bales.....D	..	.25
Blackhaw Bark, root, bales.....D	.28	.30
Tree, bales.....D	.15	.16
Blue Root, bags.....D	.14	.15
Blueflag Root, bags.....D	.24	.26
Bryonia Root, bags.....D	.10	.12
BUCHU LEAVES, short, 250lb bales.....D	.95	1.00
Less bales.....D	1.00	1.05
Long, bales.....D	..	..
Buckthorn Bark, bales.....D	.07½	.08
Burdock Root, bags.....D	.10	.12
Burgundy Pitch, dom. 110lb stands	..	..
Gross for net.....D	..	.05
Calabar Beans, bags.....D	.17	.18
Calamus Root, bleached cases...D	.45	.50
Unbleached, bags.....D	.10	.11
Calendula Petals, imp. bales...D	..	.50
Callisaya Bark, bales.....D	.12	.14
Camphor, see Chemicals	..	..
Canary Seed, Morocco bags.....D	.05½	.06
South American, bags.....D	.04	.04½
Candella Wax, bags.....D	..	.35
Canella Alba Bark, bales.....D	.45	.48
Cannabis, true imp. bags.....D	..	..
American (no assay) bales...D	..	.20
USP, bales.....D	..	.30
Cantharides, Chinese cases.....D	1.00	1.10
Powd., boxes.....D	1.20	1.25

Cantharides, Russian, cases.....D	3.50	3.60
Powdered, boxes.....D	4.00	4.25
Caraway Seed, African bags.....D	..	..
Dutch, 100lb bags.....D	.18	.19
Cardamom, bleached cases.....D	.70	1.10
Decorticated, cases.....D	.51½	.52½
Green, grinding, bags.....D	.45	.50
Carnauba Wax, Flor. bags.....D	.45	.48
No. 1 N Country bags.....D	.40	.43
No. 2 N Country bags.....D	.23	.25
No. 3 Fatty Gray, bags.....D	.20	.21
No. 3 Chalky, bags.....D	.17	.18
Cascara Amarga, 150lb bales...D	.32	.33
Cascara Sagrada, bales.....D	.11	.13
Cascarilla Bark, quills bales...D	.30	.35
Siftings, bbls.....D	.20	.25
Cassia Buds, 66lb cases.....D	.12	.12½
China, select, mats cases.....D	.05½	.06
Saigon, assort. bales.....D	.25	.25½
Cassia Fistula, baskets.....D	.08½	.09
Castor Beans, bags.....D	.63	.63½
Castoreum, 1lb bot.....D	..	4.00
Catechu Gum, bags.....D	..	.10
Catnip Herb, bales.....D	.10	.15
Celery Seed, 220lb bags.....D	.19½	.20
Ceresin Wax, white bags.....D	.08½	.09
Yellow, 200lb bags.....D	.07½	.08½
CHAMOMILE FLOWERS, Roman bales.....D	.65	.70
Hung, cases bales.....D	.26	.28
Charcoal Willow, powd. bbls...D	.06	.07
Wood, powd bbls.....D	.04	.04½
Chestnut Bark, bags.....D	.07	.08
Herb, bales.....D	.06	.06½
Chicle Gum, bags.....D	.70	.75
Chiretta, bales.....D	..	.20
Cinchona Bark, red quills bales.D	.50	.55
Broken, bales.....D	.12	.14
Cinnamon, Ceylon, bales.....D	.15	.20
Civet, Abyssin horns.....oz	2.75	2.85
Clover Tops, bags.....D	.10	.12
Cloves, Zanzibar, 135lb bales...D	.36	.37
Amboyas, bales.....D	..	..
Penang, bales.....D	..	..

Dyelene Bismark Brown R

Dyelene Azo Yellow

Dyelene Naphthol Green B

Dyelene Cloth Scarlet G

(Chrome Red)

Dyelene Developer T

Dyelene M. T. D. (Meta Toluylene Diamine)

Dyelene Fast Acid Yellow G

Dyelene Metanil Yellow

Dyelene Ponceau 3 R B

Dyelene Developer B

Dyelene Chrome Violet

(leaves silk white)



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Cochineal, USP boxes.....D	.40	:.50	Dogwood Bark, Jamaica bags....D	.10	:.11	Grindelia Robusta Herb, bales..D	...	:.12
Coca Leaves, Huancayo bags....D	...	...	Flowers, bales.....D	...	:.15	Gualac Gum, 200 lb cases.....D	...	:.70
Truxillo, bags.....D	...	:.50	Dogwood Root, USP cut bags....D	.09	:.10	Guarana, tins, cases.....D	.60	:.75
Cobosh Root, Black bags.....D	.08	:.08 1/2	Dragons Blood, mass cases.....D	.60	:.62	Gum, see Arabic Gum, etc.		
Blue, bags.....D	.09	:.09 1/2	Reeds, boxes.....D	.75	:.80	NELLEBORE ROOT.		
Calchicum Root, bags.....D	.11	:.12	ECHINACEA ROOT, bags.....D	.32	:.33	Black, pud. bbls.....D	...	:.15
Seed, bags.....D	.12	:.13	Elecampene Root, bags.....D	.09	:.10	White, bags.....D	...	:.12
Colombo Root, whole bags.....D	.03	:.04	Elder Flowers, bales.....D	.22	:.23	Powdered, 250 lb bbls.....D	.15	:.16
Colocynth, apples cases bbls.....D	.20	:.22	Elemi Gum, 89 lb cases.....D	.10	:.12	Helonias Root, (unicorn false)		
Pulp, USP bales.....D	.25	:.30	Elm, select 5 lb bundles cases..D	.27	:.28	... : bags.....D	...	:.55
Coltfoot Leaves, bags.....D	.07	:.07 1/2	Grinding, bags.....D	.14	:.15	Hemp Seed, Manchurian bags...D	.03 1/2	:.04 1/2
Comfrey Root, bags.....D	.20	:.21	Powdered, bbls.....D	.13	:.17	Chilian, bags.....D	...	...
Condurango Bark, bales.....D	.07	:.08	ERBOT, Russian.....D	...	...	Henbane Leaves, bales.....D	.55	:.58
Conium Seeds, bags.....D	.15	:.16	Spanish, 150-200 lb bags.....D	.73	:.75	Henna Leaves, bales.....D	...	:.24
Copaiba Balsam Para 80 lb casesD	.24	:.25	Eucalyptus Leaves, bales.....D	.05	:.05 1/2	Honey, Calif. 120 lb cases.....D	...	:.11
S. Amer. 80 lb cases.....D	.29	:.30	Euphorbia Pilulifera Herb, bags.D	.14	:.15	Hops, N. Y. prime bales.....D	.23	:.25
Corn Silk, bales.....D	.05 1/2	:.06	Euphorbium Gum, cases.....D	...	:.35	Pacific Coast prime bales.....D	.23	:.25
Coriander Seed, Bombay bags..D	...	...	Powdered, boxes.....D	...	:.55	Horhound Herb, bales.....D	.07 1/2	:.09
Morocco, bags.....D	.12	:.13	Fennel Seed, French bags.....D	.11 1/2	:.12	Horsetail Rush, bags.....D	.14	:.15
Bleached, bags.....D	.15	:.16	German, bags.....D	.16	:.17	INDIA GUM, see Karaya		
Cotton Root Bark, bales.....D	.13	:.14	Flax Seed, whole 180 lb bbls...ea	12.25	12.50	Insect Flowers, open whole bales.D	...	:.44
Cramp Bark, so-called bales....D	.08	:.09	Ground, 180 lb bbls.....D	.06 1/2	:.07	Closed whole, bales.....D	...	:.50
True, bags.....D	.40	:.42	Foenugreek Seed, 200 lb bags..D	.05	:.05 1/2	Powdered, pure 200 lb bbls...D	.51	:.52
Cranehill Root, bags.....D	.13	:.13 1/2	Fir Balsam, Canada cans.....gal	10.75	11.00	Flowers and stems, 50 p. e.		
CUBEB BERRIES, 130 lb bags..D	.85	:.90	Oregon, bbls. cans.....gal	1.30	1.45	200 lb bbls.....D	.33	:.35
XX, bags.....D	.90	1.00	Fish Berries, 100-125 lb bags...D	.03 1/2	:.04	Ipecac Root Cartagena bags....D	1.60	1.65
Powdered, boxes.....D	.95	1.00	Fringe Tree Bark, bags.....D	.18	:.20	Powdered, 200 lb bbls, boxes..D	1.80	1.90
Cumin Seed, Levant bags.....D	...	...	GALANGAL ROOT, bags.....D	.07	:.08	Rio Whole, bags.....D	1.60	1.65
Morocco, bags.....D	.30	:.31	Galbanum Gum, cans.....D	1.05	1.10	Powdered, 200 lb bbls, boxes..D	1.80	1.90
Culvers Root, bags.....D	.18	:.20	Gamboge Gum, bags.....D	.06	:.06 1/2	Istinglass, American, 130 lb cs..D	.65	:.70
Cuttlefish Bone, Trieste, straps.D	.19	:.20	Gamboge Gum, 160 lb cases.....D	1.20	1.25	Russian, (Beluga) bxs etns...D	...	10.00
Jewellers, large, straps.....D	.45	:.50	Gelsolinum Root, bags.....D	.11	:.12	JABORANDI LEAVES, bales.....D	.30	:.31
Small, straps.....D	.35	:.40	Gentian Root, bags.....D	.08 1/2	:.10 1/2	Jalap Root, whole 150 lb bags..D	.18	:.20
French, straps.....D	...	:.30	Ginger, African, bags.....D	.09 1/2	:.10	Powdered, USP 250 lb bbls...D	.23	:.25
Powdered, boxes.....D	...	:.14	Jamaica, grinding, bags bbls..D	.33	:.40	Japan Wax, 224 lb cases.....D	.15	15 1/2
Damar Gum, bales.....D	.30	:.32	Japan, bags.....D	.10 1/2	10 1/2	Job's Tears, white bags.....D	.07	:.08
Damiana Leaves, bales.....D	.09 1/2	:.11	Cochin, ABC & lemon, bags..D	.11 1/2	11 1/2	Juniper Berries, 125 lb bags....D	.05	:.05 1/2
Dandelion Root, imp. bags.....D	.07 1/2	:.08	Ginseng Root, cultivated, bags..D	2.00	3.00	KAMALA, boxes.....D	3.15	3.25
Deer Tongue Leaves, bales.....D	.07 1/2	:.08	Northwestern Wild, bags.....D	9.00	10.00	Karaya Gum, powdered bbls....D	.15	:.20
Digitalis Leaves, bales.....D	.06 1/2	:.07	Southern Wild, bags.....D	8.00	9.00	Kava Kava Root, bags.....D	.16	:.17
Dill Seed, bags.....D	.10	:.11	Golden Seal Root, bags.....D	...	3.50	Kino Gum, black cases.....D	...	:.50
			Powdered, boxes.....D	3.60	3.75	Kola Nut, 150 lb bags.....D	.04	:.05
			Grains of Paradise, bags.....D	.12	:.13	Kousoo Flowers, bags.....D	...	2.50

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LADY SLIPPER ROOT, bags....lb	.60	: .65	Musk Root, Russian bags....lb	..	: ..	Patchouli Leaves, bales.....lb	.25	: .28
Larkspur Seed, bags.....lb	.22	: .23	Tonquin.....oz	16.00	: 17.00	Pepper, black Sing. bags.....lb	.09%	: .09%
Laurel Leaves, bales.....lb	.04%	: .05	Grain Cab.....oz	25.00	: 26.00	White, bags.....lb	.13	: .13%
Lavender Flowers, bales.....lb	..	: ..	Tonquin.....oz	35.00	: 38.00	Peppers, red Mombasa bags.....lb	.32	: .33
Leeches, tubs.....Per 100	..	: 15.00	Synthetic, see Chemicals.	..	: ..	Cherries, bags.....lb	.18%	: .17
Lemon Peel, bags.....lb	.08%	: .09	Musk Root, Russian bags....lb	..	: ..	Bombay, bags.....lb	.15	: .15%
Licorice Root, Russian cut....lb	.06%	: .07	Mustard Seed, Bari brown bags..lb	.07%	: .07%	Japan, bags.....lb	.42	: .43
Spanish, natural bales.....lb	.07	: .08	Bombay, brown.....lb	.06%	: .06%	Pennyroyal Herb, bales.....lb	.08	: .14
Selected, 2 & 5 lb bundles..lb	.19	: .22	California, brown.....lb	.07%	: .08	Peppermint Leaves, imp. bales..lb	.18	: .20
Powdered, bbls.....lb	.08%	: .09%	Yellow.....lb	..	: ..	Peru Balsam, 120 lb kegs.....lb	1.65	: 1.75
Life Everlasting Herbs, bales..lb	.05	: .06	Chinese, yellow.....lb	.04	: .04%	Pichi Leaves, bags.....lb	.16	: .18
Lime Juice, clarified bbls....gal	.50	: .60	English, yellow.....lb	.08	: .08%	Pink Root, true bags.....lb	.04%	: .04%
Linden Flowers, with leaves, baleslb	..	: .20	Dutch, yellow.....lb	.08	: .09	Pitch, Burgundy, see Burgundy Pitch	.70	: .75
Without Leaves, bales.....lb	..	: .30	Danish, yellow.....lb	.07%	: .09	Pleurisy Root, bags.....lb	.22	: .23
Liverwort Leaves, bales.....lb	..	: .25	Myrrh Gum, select 200 lb cs....lb	.50	: .55	Plantain Leaves, bales.....lb	..	: .15
Lobelia Herb, bales.....lb	.09	: .10	Sorts, cases.....lb	.45	: .48	Poke Berries, bags.....lb	..	: .16
Lobelia Seed, bags.....lb	..	: .70	NUTGALLS, Chinese bags.....lb	.16	: .17	Poke Root, bags.....lb	.07	: .07%
Lorag Root, bags.....lb	.30	: .35	Aleppy, bags.....lb	.13	: .14	Pomegranate Bark, of root bags..lb	.16	: .17
Lupulin, boxes.....lb	1.25	: 1.30	Nutmegs, 110s cases.....lb	.20	: .21	Of Fruit, bags.....lb	.16	: .17
Lycopodium, 88 lb cs.....lb	.75	: .85	75s 80s cases.....lb	.24%	: .25	Poppy Flowers, red bags.....lb	.30	: .35
MACE, Siam, No. 1 cases.....lb	.45	: .46	Nux Vomica Buttons, bags.....lb	.07	: .08	Poppy Seed, Dutch bags.....lb	.16	: .16%
Banda, No. 1 cases.....lb	.48	: .49	Powdered, 200 lb bbls.....lb	.10%	: .11	German, bags.....lb	.15%	: .16%
Batavia, cases.....lb	.40	: .41	OAK BARK, red bags.....lb	.05	: .06	Turkish, bags.....lb	.06	: .08
Malva Flowers, blue bales.....lb	.35	: .38	White, bags.....lb	.05	: .06	Blue Indian, bags.....lb	.08	: .08%
Black, bales.....lb	..	: ..	Olibanum Gum, sift 280 lb cases..lb	.10	: .11	White Indian, bags.....lb	.07	: .07%
Manna, large flake cases.....lb	.85	: .90	Tears, 280 lb cases.....lb	.15	: .17	Prickly Ash Bark Southern, bags..lb	.14	: .14%
Small flake, cases.....lb	.48	: .50	Opium, gum USP cases.....lb	..	: 6.25	Northern, bags.....lb	.14	: .14%
Sorts, cases.....lb	.45	: .46	Granular, cases.....lb	..	: 7.00	Prickly Ash Berries, bags.....lb	.11	: .12
Mandrake Root, bags.....lb	.17	: .18	Powdered, USP cases.....lb	..	: 7.00	Prince's Pine, bales.....lb	.14	: .15
Mastic Gum, 120 lb cases.....lb	.55	: .58	Orange Flowers, cases.....lb	..	: 1.00	Pulsatilla Herb, bags.....lb	..	: .40
Meserion Bark, bags.....lb	.11	: .12	Orange Peel, bitter bags.....lb	.05%	: .06	Pumpkin Seed, bags.....lb	.14	: .15
Matric Leaves, bales.....lb	..	: .20	Sweet, bags.....lb	.05	: .05%	QUASSIA CHIPS, bags.....lb	.08	: .08%
Marjoram Leaves, German bales..lb	.22%	: .23%	Orris Root Florentine bold bags..lb	.07	: .08	Queen of the Meadow Herb, bags..lb	.06	: .06%
French, bales.....lb	.13%	: .16	Verona, bags.....lb	.05	: .06	Quince Seed, bags.....lb	1.25	: 1.75
Millet Seed, dom. yellow bags..lb	.03	: .03%	Powdered, 200 lb bbls.....lb	.08	: .09	RAPE SEED, South Amer. bags..lb	.06%	: .07
Montan, Wax, crude bags.....lb	.04%	: .05	Fingers, cases.....lb	.75	: .80	Dutch, bags.....lb	.08%	: .08%
Bleached.....lb	..	: ..	Ozokerite Wax, brown hard bags..lb	.22	: .24	Japanese, small, bags.....lb	.06%	: .07%
Moss, Iceland bales.....lb	.07	: .08	Green, hard bags.....lb	.25	: .26	Raspberries, dried boxes.....lb	.35	: .40
Irish, bleached bales.....lb	.07	: .09	Refined, yellow bags.....lb	..	: ..	Rhatany Root, bags.....lb	.10	: .11
Mullein Flowers, tins.....lb	..	: .65	PAPRIKA, bags.....lb	.16	: .24	RHUBARB, H. D. cases.....lb	.48	: .50
			Pareira Brava Root, bags.....lb	.23	: .25	Powdered, 200 lb bbls.....lb	.55	: .58
			Parley Seed, bags.....lb	.08	: .09	Rosemary Leaves, bales.....lb	.03	: .08

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Rosemary Flowers, cases, bales... D	.28	: .30	Snake Root, Canada natural bags. D	...	: .30	Tragacanth Gum, No. 1, ribbon,		
Rose Petals, pale .....	.25	: .30	Striped, bags .....	...	: .45	200 lb. cs.	1.75	: 1.80
Red .....	...	: .65	SOAP BARK, whole, 150-200 lb			No. 2 to No. 6, cases	1.00	: 1.50
Rue Herb, bales .....	.25	: .30	bales .....	.06 1/4	: .07	Powdered, 50 lb boxes	1.00	: 1.50
SABADILLA SEED, bags .....	.10	: .12	Cut, 125-175 lb bags .....	.08	: .08 1/4	Turkish, cases .....	.75	: .90
Saffron Flowers, Amer. bales	1.40	: 1.45	Crushed, 200 lb bbls. ....	.08 1/4	: .09	Turneric Root, Madras bags .....	.07	: .07 1/4
Valencia 1 lb cans	28.00	: 30.00	Powdered, 200 lb bbls. ....	.12	: .13	Aleppy, bags .....	.06 1/4	: .06 1/2
Sage, Dalmatian bales .....	.05 1/4	: .06	Spearment Leaves, American bales. D	.23	: .24	China, bags .....	.05 1/4	: .06
Greek, bales .....	.04 1/4	: .05	Spermaceti, blocks cakes cases .....	.36	: .37	Turpentine, Venice, true 80 lb cs. D	.30	: .35
Spanish, bales .....	.03	: .04	Spikenard Root, bags .....	.17	: .18	Artificial, 80 lb cases .....	.09 1/4	: .12
Sandalwood, chips bags .....	...	: .35	Spruce Gum, boxes	1.00	: 1.50	Spirits, see Naval Stores		
Ground, bags .....	...	: .40	Squaw Vine, bales .....	.15	: .16	UNICORN ROOT, false, see Helonias		
Sandarac Gum, 300 lb bbls. ....	.25	: .27	Squill Root, white bags .....	.04	: .04 1/4	True, see Aletris		
Sarsaparilla, Honduras bales .....	.47	: .48	Stavesacre Seed, bags .....	...	: .35	Uva Ursi Leaves, bales .....	.05 1/4	: .06
Mexican, bales .....	.32 1/4	: .33	Stillingia Root, bags .....	.09	: .09 1/4	VALERIAN ROOT, Belgian bags. D	.13	: .14
Sassafras Bark, ordinary bales .....	.10	: .14	Stone Root, bags .....	.09	: .10	Vanilla Beans Mex. whole cases. D	10.00	: 12.00
Select, bales .....	.18	: .19	Storax, liquid artif. ....	.75	: .80	Cuts, cases	7.00	: 7.25
Savory Leaves, bales .....	.09 1/4	: .10	Gen. USP	1.10	: 1.20	Bourbon, cases	2.75	: 3.25
Saw Palmetto Berries, bags .....	.12	: .13	St. Ignatius Beans, bags .....	...	: .23	South American, cases	7.00	: 7.25
Scammony Resin, boxes	1.00	: 1.10	St. John's Bread, bags .....	.02	: .06	Tahiti, yellow label cases	2.00	: 2.25
Scammony Root, bags .....	.05	: .06	Stramonium Leaves, bales .....	.08 1/4	: .09	Green Label, cases	2.00	: 2.25
Senega Root, bags .....	.75	: .80	Stramonium Seed, bags .....	.13	: .14	Violet Flowers, bags .....	...	: .70
SENNA, Alex, 150 lb cases .....	.32	: .35	Strophanthus Seed, Hispidus .....	...	: .35	Wahoo BARK, of root bags .....	.52	: .53
Half Leaf, 350 lb bales .....	.14	: .15	Kombe, bags .....	...	: .07 1/4	Of Tree, bags .....	.25	: .26
Siftings, 400 lb bales .....	.09	: .09 1/4	Sunflower Seed, domestic bags .....	.07	: .07 1/4	White Pine Bark, rosed, bags .....	.06	: .07
Powdered, 200 lb bbls. ....	.12	: .13	South American, bags .....	.05 1/4	: .06 1/4	White Poplar Bark, bags .....	.04	: .05
Tinnerelly, Job. 350 lb bales .....	.10	: .14	TAGALDER BARK, bags .....	.05	: .05 1/4	Wild Cherry Bark, thin green		
Grinding, 350 lb bales .....	.05	: .08	Tamarinds, bbls. ....	.03	: .03 1/4	Rosed, bales .....	.10	: .12
Pods, 350 lb bales .....	.08 1/4	: .07	Kegs	2.75	: 3.00	Thick Rosed, bales .....	.06 1/4	: .07
Powdered, 200 lb bbls. ....	.08	: .09	Tansy Leaves, bales .....	.18	: .20	Thin Natural, bales .....	.07	: .07 1/4
Serpentaria Root, bags .....	.85	: .90	Tar, Barbadoes, 50 gal. bbls. gal.	1.60	: 1.75	Thick Natural, bales .....	.04 1/4	: .05
Shellac, Pine Orange, bags .....	.63	: .65	Thus Gum, bbls.	4.50	: 6.00	Willow, bark bags .....	...	: .06
Superfine Orange, bags .....	.66	: .68	Thyme, Spanish bales .....	.07 1/4	: .08	White, bags .....	...	: .15
D. C., bags .....	.85	: .90	French, bales .....	.09 1/4	: .09 1/4	Witch Hazel Bark, bags .....	...	: .08
V. S. O., cases .....	.85	: .90	Tilia. See Linden			Witch Hazel Leaves, bales .....	.08	: .09
Ground reg., 350 lb bbls. ....	.78	: .80	Toiu Balsam, 90 lb cases .....	.67 1/4	: .70	Worm Seed, American bags .....	.10	: .11
Regular Bleached, 350 lb bbls. D	.78	: .80	Tonga Bark, bags .....	.30	: .31	Levant, bags	2.90	: 3.00
Bone Dry, 350 lb bbls. ....	.75	: .77	Tonka Beans, Angostura cases .....	...	: 2.25	Wormwood Herb, imported bales. D	.10	: .12
Sideritis Herb, cut bags .....	.19	: .20	Para, cases .....	.80	: .80	YELLOW DOCK ROOT, bags .....	...	: .12
Simaruba Bark, bales .....	.13	: .13	Surinam, cases .....	.85	: 1.00	Yellow Parilla Root, bags .....	...	: .20
Skullcap Leaves, bales	: .30				Yerba Santa, bags10	: .11
Sloe Berries, bags10	: .12				Zedoary Root, bags06 1/4	: .06

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Almond, Bitter USP 5 lb. bots.	4.75	5.25	Copalba, USP 50 lb. tins.40	.45	Petit Grain, S. Am. 25 lb. tins.	1.80	1.90
Bitter fl PA 5 lb. bots.	4.75	5.00	Coriander, USP 1 lb. bot.	11.50	12.00	French, 1 lb. bot.	7.50	8.00
Artificial. (See Benzaldehyde—Chemicals)			Croton, USP 25 lb. tins.	1.00	1.10	Pinus Sylvestris, 25 lb. tins. ....	...	1.75
Sweet, 56 lb. cans. ....	.47	.55	Cubebs, USP 5 lb. bot.	6.00	6.25	Pumilio, USP 25 lb. tins. ....	...	3.00
Peach Kernel, 55 lb. tins. ....	.25	.27	Cumin, 1 lb. bot.	10.00	12.00	Rose, Fr., S, 16 & 32 oz pkgs.	6.50	7.50
Apricot, see Peach Kernel			Dill, 1 lb. bot. ....	...	5.00	Bulg., S, 16 & 32 oz pkgs.	6.50	3.00
Amber, crude 25 lb. tins. ....	.75	.80	Brigaron, 20 lb. tins.	1.25	1.50	Artificial, 1 lb. bot.	2.00	3.00
Rectified, 25 lb. tins.	1.00	1.10	EUCALYPTUS, Austl. USP			Rosemary, USP 27 1/2 lb. tins. ....	.50	.55
Angelica Root, 1 lb. bot.	38.00	39.00	56 lb. cs. ....	.37 1/2	.40	Tech., 27 1/2 lb. tins. ....	.45	.50
Seed, 1 lb. bot.	38.00	38.00	Fennel USP, 25 lb. tins.	1.40	1.50	Rue, 1 lb. bot.	4.25	4.50
ANISE, Tech., 66 lb. case. ....	.55	.60	Geranium, Algerian 25 lb. tins.	10.25	10.50	Sandalwood, E Ind USP 40 lb. cases	6.75	7.00
USP 50 lb. tins. ....	.60	.65	Bourbon, 25 lb. tins.	6.00	6.25	W. Indian, (Amyris) 25 lb. tins.	4.00	4.10
Bay, 25 lb. tins.	2.45	2.60	Turkish, 28 lb. tins. ....	...	5.00	Sassafras, USP 50 lb. cans. ....	.80	.90
Bergamot, USP 25 lb. coppers.	3.60	3.75	Ginger, 1 lb. bot. ....	...	...	Artificial, 63 lb. cans, 400 lb. drs. ....	.42	.45
Artificial, 25 lb. cans.	2.50	2.75	Gingergrass, 28 lb. tins.	2.75	3.00	Savin, 5 lb. tins.	3.75	4.00
Birch Tar, rect. 5 lb. bot. ....	...	2.75	Hemlock, 50 lb. cans.	1.00	1.10	Spearmint, USP 60 lb. cases.	3.00	3.15
Crude, 50 lb. tins. ....	...	1.75	Juniper Berries, USP 25 lb. tins.	1.10	1.15	Spruce, 50 lb. tins.	1.05	1.20
Rois de Rose, 25 lb. tins.	2.75	3.50	Wood, 50 lb. tins. ....	.50	.60	Tansy, Amer., 20 lb. tins.	9.50	10.00
Cajuput, native 50 lb. tins. ....	.65	.70	Lavender, USP, 25 lb. tins.	3.25	4.00	Tar, 50 gal. bbls. ....	.24 1/2	.26
Cade, USP 25 lb. tins. ....	.50	.60	Spike, Spanish 50 lb. cans. ....	.80	.85	Refined, USP 25 lb. tins. ....	...	...
USP, 5 lb. bot. ....	.70	.80	LEMON, Ital. USP, 25 lb. cop. ....	.70	.80	Thyme, red, USP 25 lb. tins.	1.00	1.10
Calamus, 5 lb. bot.	4.25	4.75	American, USP, 25 lb. tins. ....	.65	.70	White, USP 25 lb. tins.	1.15	1.25
Camphor, 1000 lb. drums. ....	.11 1/2	.12	Lemongrass, native, 50 lb. cans. ....	.95	1.00	Crude, 110 lb. drums. ....	.95	1.00
Japanese, white, 72 lb. cases. ....	.18	.20	Limes, express 25 lb. tins.	2.65	2.75	Vetiver, Bourbon 1 lb. bot.	5.00	6.00
Chinese, white 1000 lb. drums. ....	.17	.18	Distilled 25 lb. tins. ....	.50	.55	Java, 1 lb. bot.	25.00	28.00
Cananga, Native 25 lb. tins.	2.75	3.00	Linaloe, Mex. 80 lb. cases.	2.60	2.80	Wine, heavy 1 lb. bot. ....	...	2.75
Rectified, 25 lb. tins.	3.50	4.00	Mace, distilled 50 lb. tins. ....	.95	1.05	WINTERGREEN		
Caraway, USP rec. 25 lb. tins.	4.25	4.50	Mirbane, ref., see Nitrobenzene—Chemicals			Sweet bh, 25 lb. tins.	2.00	3.00
Crude, 50 lb. tins.	4.00	4.25	Mustard, USP, 1 lb. bot. ....	...	17.00	Gaultheria, true 25 lb. tins.	4.00	7.00
Cardamon, USP 1 lb. bot.	13.00	14.00	Artif., USP, 5 lb. bot.	3.00	3.10	Synthetic, USP 50 lb. cases. ....	...	.41
Carvol, 5 lb. bot.	6.75	7.00	Neroli, Bigarade 1/4 and 1 lb. bot.	5.00	6.50	Wormseed, Balt., USP 25 lb. tins.	2.40	2.50
CASSIA, 75-80 p e 66 lb. cases. ....	...	...	Petale, 1 lb. bot.	7.00	15.00	Wormwood, dom., 25 lb. tins.	9.50	10.00
Redistilled, USP 50 lb. cans.	1.90	2.00	Artificial, 1 lb. bot.	10.00	25.00	Ylang Ylang, Bourbon 10 lb. tins.	9.00	10.00
Cedar Leaf, 50 lb. tins. ....	.85	.90	Nutmeg, USP 25 lb. tins. ....	.95	1.05	Manila, 1 lb. bot.	30.00	35.00
Cedar Wood, light 1000 lb. drums. ....	.26	.27	Orange, bitter 25 lb. tins.	1.90	2.00	Artificial, 1 lb. bot.	10.00	12.00
Celery, 1 lb. bot.	6.00	10.00	Sweet, W. Ind., 25 lb. tins.	2.45	2.60	Aspidium, USP 1 lb. bot.	2.75	3.00
Cinnamon, Ceylon 1 lb. bot.	12.00	17.00	Italian, 25 lb. cop.	2.75	2.90	Capsicum, USP, 5 lb. bot.	2.60	2.75
Leaf, 5 lb. bot. ....	...	2.00	American, 25 lb. tins.	2.90	3.00	Cubeb, USP 1 lb. bot.	6.40	6.50
CITRONELLA, 50 lb. tins. ....	.62	.65	Origanum, 50 lb. cans. ....	.25	.30	Ginger, 5 lb. bot.	2.50	2.65
Ceylon, 400 lb. drums. ....	.60	.62	Parley, 1 lb. bot.	5.09	5.50	Mailetern. See Aspidium		
Java, 400 lb. drums. ....	.75	.80	Patchouli, 5 lb. bot.	8.25	12.00	Mullein (so-called) 1 lb. bot. ....	...	1.50
50 lb. tins. ....	...	.85	Pennyroyal, dom 25 lb. tins.	1.95	2.25	Orris, 1 lb. bot. ....	...	18.00
Cloves, USP, 50 lb. cans.	2.30	2.35	Imported, 25 lb. tins.	1.65	1.75	Pepper, black, USP, 1 lb. bot.	3.50	4.00
6 lb. bot.	2.35	2.40	PEPPERMINT, nat. 60 lb. cases.	3.00	3.10	Vanilla, 1 lb. bot.	9.00	9.50
			Redist., USP, 60 lb. cases.	3.25	3.35			

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NATURAL DERIVATIVES					
Anethol, 25 lb bot.....	1.75	2.50	Butyric Ether, See Ethyl Butyrate		
Borneol, 1 lb bot.....	...	3.50	Cinnamic Acid, 5 lb cans.....	2.75	3.00
Citronellal, 1 lb bot.....	1.75	2.00	Cinnamic Alcohol, 1 lb bot.....	15.00	16.00
CITRAL, 25 lb cans.....	3.00	3.50	Cinnamic Aldehyde, 1 lb bot.....	3.25	3.75
EUCALYPTOL, USP, 25 lb cans..	.80	.85	CITRONELLOL, 1 lb bot.....	8.00	12.00
Eugenol, USP, 25 lb cans.....	3.25	3.50	COUMARIN, 25 lb cans.....	3.50	3.75
Geraniol, 50 lb cans.....	2.25	3.00	DIETHYL PHTHALATE, 25 lb cans	.90	1.00
Pure, 5 lb bot.....	3.50	4.00	Diphenyl oxide, 25 lb tins.....	.85	.90
Iso-Eugenol, 1 lb bot.....	4.00	4.50	Ethyl Acetate, pure, 5 lb bot.....	.45	.50
Linalool, 5 lb bot.....	4.50	5.50	Ethyl Benzoate, 5 lb bot.....	1.75	2.00
MENTHOL, 60 lb cases.....	...	6.00	Ethyl Butyrate, 5 lb bot.....	2.00	2.25
Less cases, 5 lb cans.....	6.15	6.25	Ethyl Cinnamate, 1 lb bot.....	5.00	5.50
Rhodiol, 1 lb bot.....	13.00	16.00	Ethyl Formate, 5 lb bot.....	1.00	1.10
SAFROL, 60 lb cans.....	.55	.60	Ethyl Valerate, 5 lb bot.....	4.50	4.75
Thymol, USP, 10 lb cans.....	4.10	4.25	Formic Ether, See Ethyl Formate		
SYNTHETIC AROMATICS			Geranyl Acetate, 1 lb bot.....	5.25	5.50
Acetaldehyde, 50% sol pure, 5 lb bot..	1.75	2.00	Hellotropin, 10 lb bot.....	2.25	2.50
Acetophenone CP, 1 lb bot.....	3.50	4.00	Indol, CP, 1 oz bot.....	10.00	11.00
Amyl Acetate, pure, 5 gal cans.gal	4.00	6.00	Ionone, 1 lb bot.....	5.50	8.00
Amyl Butyrate, 1 lb bot.....	2.00	2.10	Linalyl Acetate, 1 lb bot.....	8.00	9.00
Amyl Formate, 1 lb bot.....	1.75	2.00	Linalyl Benzoate, 1 lb bot.....	13.00	14.00
AMYL SALICYLATE, 100 lb chys..	1.25	1.40	METHYL ANTHRANILATE, 1 lb bot..	2.75	3.00
Anisic Aldehyde, 1 lb bot.....	3.50	4.00	Methyl Cinnamate, 1 lb bot.....	5.00	5.75
BENZALDEHYDE, USP, 25 lb cans..	1.40	1.50	Methyl Paracresol, 1 lb bot.....	8.00	9.00
FPC, 25 lb cans.....	1.60	1.70	METHYL SALICYLATE, USP 50 lb		
Benzoic Ether, See Ethyl Benzoate			cases.....	.41	.42
Benzyl Acetate, 100 lb chys....	1.15	1.20	Second Hands.....	.39	.40
Benzyl Alcohol, 5 lb bot.....	1.10	1.25	Mirbane, rect. 1000 lb drums.....	.10	.11
BENZYL BENZOATE, 5 lb bot.....	1.40	1.70	Musk Ambrette, 1 lb cans.....	12.00	14.00
Benzyl Formate, 1 lb bot.....	3.50	3.75	Musk Ketone, 1 lb cans.....	9.00	10.00
Bromstyrol, 25 lb keg.....	...	3.50	Musk Xylene, 5 lb cans.....	2.50	3.00
			Nerolin, 1 lb cans.....	2.00	2.50
			Phenylacetaldehyde, 1 lb bot.....	7.50	9.00
			Phenylacetic Acid, 1 lb bot.....	2.50	4.00
			PHENYLETHYLALCOHOL, 1 lb bot..	5.00	6.00
			Phenylpropylalcohol, 1 lb bot.....	15.00	16.00

TERPINEOL, CP, 1000 lb drums..	.50	.60
Cans 50 lb.....	.55	.60
Imported, 25 lb cans.....	.70	.75
Terpinyl Acetate, 25 lb cans.....	1.65	1.75
VANILLIN, USP, 400 oz cans.....	.43	.45
Cans, 16 oz.....	.47	.48
Second Hands, cans.....	.43	.47
Valerianic Ether, See Ethyl Valerate		
Yara, Yara, 1 lb cans.....	2.00	2.50

PERFUMERS' SUNDRIES

Almond Meal, 25 lb cans.....	.28	.40
Ambergris, black, bxs.....	...	8.00
Ambergris, gray, bxs.....	...	28.00
Balsam Copaliba, Para, 80 lb cases	.24	.25
South American, 80 lb cases.....	.29	.30
Balsam Peru, 60 lb cans.....	1.65	1.75
Balsam Tolu, 90 lb cases.....	.70	.75
Benzoin Gum, Siam, bxs.....	1.40	1.60
Castoreum, 1 lb bot.....	...	4.00
Chalk, precip. light, 175 lb bbls..	.04	.04 1/2
Cherry Laurel Water, 5 gal cans.gal	1.15	1.25
Civet Abyssin horns.....	2.75	3.00
Labdanum, 5 lb bot.....	...	8.00
Lanolin hydrous, 350 lb bbls.....	.18	.20
Anhydrous, 350 lb bbls.....	.22	.24
Musk pods, Cabardine, tins.....	16.00	17.00
Tonquin, tins.....	22.00	25.00
Grains, Cabardine, tins.....	25.00	28.00
Tonquin, tins.....	35.00	38.00
Synthetic, See Aromatic Chemicals		
Orris Rt Flor, powd bbls.....	.09	.10
Verona, bbls.....	.08	.09
Rice Starch, 140 lb bgs.....	.06	.08
Rose Water, 5 gal chys.....gal	1.50	1.60
Sandalwood chips, powd, bags.....	.35	.40
Saponin, 5 lb tins.....	1.55	1.75
Talc Italian, 220 lb bgs.....ton	30.00	40.00
Talc French, 220 lb bags.....ton	20.00	30.00
Talc, domestic ref., 100 lb bags..ton	20.00	30.00

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csks., J. C. Richardson, Fowey; **Bail**, 701.10
tons, Paper Makers Imp. Co., Fowey; 244.10
tons, Order, Fowey; **China**, 2,933.60 tons,
40 csks., Baring Bros. & Co., Fowey; 131.15

hardt & Co., Rotterdam; 1 csk., H. A. Metz
& Co., Rotterdam; 1 csk., Kuttroff. Pick-
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& Co., Rotterdam; 1 bbl., Van Doorn, Rot-

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- terdam; Bronze, 4 cs., L. Uhlfelder Co., Bremerhaven; 11 cs., Order, Bremerhaven; Coal-Tar, 5 cs., H. A. Metz & Co., Rotterdam; Earth, 10 cs., L. H. Butcher & Co., Rotterdam; Paste, 2 cs., Italiano Discount & Trust Co., Genoa; 10 bbls., Irving Natl. Bk., Genoa; 5 drs., 1 bbl., Order, Genoa; Powdered, 4 bbls., Irving Natl. Bk., Genoa; 17 bbls., Ital. Disc. & Trust Co., Genoa; 52 bbls., 1 case, Order, Genoa.
- COPRA**—100 bgs., Franklin Baker Co., Port Antonio.
- CREOSOTE**—2 csks., J. E. Dockendorff & Co., London.
- CRESOL**—25 drs., Celluloid Co., London.
- CUTTLEFISH BONE**—55 cs., M. Raffo, Genoa; 77 cs., Order, Bordeaux.
- DIVI DIVI**—1,450 bgs., Suzarte & Whitney, Maracaibo.
- ERGOT**—3 bgs., Order, Antwerp; 4 pkgs., Order, Hamburg.
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- FLOWERS—Borage**, 5 bgs., Order, Leghorn; **Chamomile**, 85 cs., A. Joensson & Co., Hamburg; **Lavender**, 4 bgs., C. B. Richard, London.
- FLUOR SPAR**—250 bs., Roessler & Haselacher Chem. Co., Hamburg; 226,761 kilos, American Steel Exp. Co., Hamburg.
- GAMBIER**—100 bgs., A. Helmarth, Hamburg; **Cube**, 160 bgs., A. Helmsolt, Inc., Hamburg.
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- GELATINE**—20 cs., Pfaltz & Bauer, Antwerp; 140 bgs., Milligan & Higgins, Glue Co., Antwerp; 1 pkg., American Express Co., Bremen; 10 bbls., British Bank of So. Africa, London; 30 bbls., British Bank of So. Amer., London; 41 cs., P. Puttmann, Bremerhaven; 3 cs., Nelson Bead Co., Hamburg; **Powdered**, 65 bbls., H. A. Sinclair, Rotterdam.
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- LEECHES**—3 pairs, C. Jenneriello, Naples.
- LIME JUICE**—2 puns, 4 csks., Order, Kingston.
- LINADOPONE**—200 csks., Order, Rotterdam.
- LOGWOOD—Crystal**, 68 csks., Order, Port Antonio.
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- META CRESOL**—2 drs., Order, Liverpool.
- MYROBALANS**—1,455 bgs., Order, Bombay; **Crushed**, 1,789 pkts., Stand Bank of So. Africa, Calcutta; 5,850 pkts., Order, Calcutta; **Whole**, 4,492 pkts., C. American Exchange National Bank, Calcutta.
- NICKEL—Oxide**, 13 csks., Perry, Ryer & Co., Liverpool; **Sulfate**, 12 csks., Blackford Trading Corp., Hamburg.
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- OILS—Cod**, 250 csks., National Oil Products Co., St. Johns; 200 csks., Badcock & MacLeod, St. Johns; 22 csks., Cook & Swan Co., Halifax; 116 cs., Swan & Finch, St. Johns; 250 csks., National Oil Products Co., St. Johns; 100 bbls., Bowring & Co., St. Johns; **Codliver**, 100 bbls., Order, Rotterdam; 50 bbls., H. W. Henning & Son, Bergen; 50 bbls., W. Benkert & Co., Bergen; 50 bbls., A. Stallman, Bergen; 25 bbls., Remick, Bergen; 25 bbls., Distilleries Chem. Supply Co., Bergen; 30 bbls., T. Nevin, Bergen; 25 bbls., O. Wasboe, Bergen; 25 bbls., Order, Bergen; 50 bbls., H. J. Baker & Bros., Aalesund; 25 bbls., Order, Aalesund; 200 bbls., Order, Christiania; **Linseed**, 110 bbls., Netherland Chemical Co., Rotterdam; 284 bbls., National Lead Co., Rotterdam; 119 bbls., Welch, Holme & Clarke, Rotterdam; 582 bbls., National Lead Co., Rotterdam; 30 bbls., Meteor Products Co., Rotterdam; 116 bbls., Ellis Jackson & Co., Rotterdam; 100 bbls., Order, Rotterdam; 360 bbls., Order, Antwerp; 2 bbls., J. Lucas & Co., Puerto Plata; **Olive**, 9 cs., Oceano Shipping Co., Genoa; 165 cs., E. Penna, Genoa; 100 cs., J. Petrocelli & Co., Genoa; 275 cs., Cellas, Inc., Genoa; 230 cs., P. Pastene & Co., Genoa; 1,150 cs., M. P. Tribuno, Genoa; 180 cs., American Express Co., Genoa; 1,847 cs., Order, Genoa; 20 cs., D. C. Andrews & Co., Naples; 6 cs., Gen'l Transportation Co., Naples; 10 cs., Olivier & Co., Genoa; 230 cs., Von Bremen Asche & Co., Genoa; 110 cs., J. Munroe & Co., Genoa; 100 cs., F. Luongo, Genoa; 100 cs., Reliable Imp. Co., Genoa; 30 cs., S. Pastene & Co., Genoa; 100 cs., F. N. Givri, Inc., Genoa; 345 cs., G. W. Sheldon & Co., Genoa; 20 cs., Oceano Shipping Co., Genoa; 150 cs., East River Nat. Bk., Genoa; 150 cs., Order, Genoa; 64 cs., 1 bbl., Gen. Transportation Co., Naples; 2 cs., A. Esposito, Naples; 42 pkgs., Hudson Forwarding & Shipping Co., Naples; 11 cs., Oceano Shpg. Co., Naples; 400 cs., Bragon & Mustari Co., Leghorn; 200 cs., Order, Leghorn; 204 cs., Gallagher & Ascher, Genoa; 100 bbls., F. Bertoli & Co., Genoa; 375 cs., P. Pastene & Co., Genoa; 500 cs., East River Nat. Bk., Genoa; 8 cs., G. Giordano, Genoa; 50 cs., Nat. City Bk., Genoa; 100 cs., Ital. Disc. & Trust Co., Genoa; 2,912 cs., Order, Genoa; 29 cs., F. Laforgia, Naples; 8 cs., Panama R. R. Co., Marseilles; 100 cs., Cartagena & Mavro, Genoa; 105 cs., East River Nat. Bk., Genoa; 200 cs., G. Rossano & Bros., Genoa; 400 cs., Yohalem & Diamond, Genoa; 250 cs., Latortrace Bros., Genoa; 160 cs., B. Dorman, Genoa; 50 cs., M. G. Rao, Genoa; 115 cs., Aprea Bros., Genoa; 75 cs., J. Petrocelli & Co., Genoa; 300 cs., Caldwell Co., Genoa; 840 cs., Van Oppen & Co., Genoa; 43 cs., C. H. Arnold & Co., Bordeaux; 1 case, American Express Co., Bordeaux; 3 cs., Papialongo Leonardo, Naples; 1 case, G. Robertagay, Naples; 4 cs., G. Ascione, Naples; 20 cs., A. Pace, Naples; 30 cs., G. Pollio, Naples; 4 bbls., A. Esposito, Naples; 2 bbls., G. Toscano, Naples; 6 cs., Order, Naples; 94 cs., Salvatore Marino, Palermo; 10 csks., S. Desimone, Palermo; 12 csks., G. Pizzo, Palermo; 12 csks., P. Ferillo, Palermo; 10 csks., Carripinalla & Alagno, Palermo; 20 csks., G. Alessi, Palermo; 21 cs.,
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- OILS, ESSENTIAL**—1 case, Draeger, Shipping Co., Southampton; 2 cs., Hudson Fwdg. & Shpg. Co., Naples; 1 case, Order, Naples; 14 cs., Polaks Frutal Wks., Rotterdam; 3 cs., Van Doorn, Rotterdam; 3 cs., Orbis Products Trdg. Co., Havre; 19 cs., A. Tonato, Naples; 2 bbls., D. Carbone, Naples; 3 cs., Orbis Products Trdg. Co., Havre; 4 cs., Morana, Inc., Havre; 5 cs., Lautier Fils, Havre; 4 cs., Yardley & Co., London; 7 cs., W. J. Bush & Co., London; 7 drs., Order, London; **Cassia**, 38 cs., Order, London; **Linaloe**, 2 cs., Morana, Inc., Vera Cruz; **Orange**, 5 cs., N. Y. & W. Indies Trdg. Co., Kingston; 20 cs., J. E. Kerr & Co., Port Antonio; **Sandalwood**, 2 pots, 1 case, Order, London; **Sandalwood**, 17 cs., Amer. Exchange National Bank, Cochiti; **Thyme**, 4 drs., Goldman Sachs & Co., London.
- OSSEINE**—1,000 csks., Order, Marseilles.
- PHENOL**—667 kgs., Monsanto Chem. Wks., Liverpool.
- POTASSIUM SALTS—Bromide**, 50 cs., Morgenstern & Co., Hamburg; 69 cs., Order, Hamburg; **Carbonate**, 40 csks., Peters White & Co., Hamburg; **Caustic**, 121 drs., Equitable Trust Co., Hamburg; **Chlorate**, 40 csks., Mechanics & Metals National Bank, Hamburg; 1,000 csks., Columbia Trust Co., Hamburg; **Metabisulfite**, 10 cs., A. W. Kretschmar, Hamburg; **Muriate**, 500 bgs., A. Vogel, Bremen; **Nitrate**, 181 csks., A. Hirsch & Son, Hamburg.
- QUICKSILVER**—1,184 flasks, Order, Genoa; 300 bottles, Order, London; 300 flasks, Order, Leghorn.
- QUININE**—15 cs., R. W. Greeff & Co., Rotterdam; 1 case, American Express Co., Rotterdam; 2 cs., R. W. Greeff & Co., Rotterdam.
- ROOT—Broom**, 1 case, Parsons Trdg. Co., Vera Cruz; 20 bbls., H. Triest & Co., Vera Cruz; **Ipecac**, 23 bbls., London & Brazilian Bk., Rio de Janeiro; **Iris**, 1 bbl., O. M. Pudor, Southampton; **Orris**, 56 bgs., American Express Co., Leghorn; 74 bgs., 2 cs., Order, Leghorn; 67 bgs., Order, Leghorn; **Sarsaparilla**, 40 bbls., D. L. Bretzfelder Bros., Tampa; 20 bbls., R. Fabian & Sons, Tampa; 1 bbl., H. Triest & Co., Vera Cruz; 7 bbls., Gomez & Sloan, Vera Cruz; **Valerian**, 4 bbls., Order, Hamburg.
- SEED—Annatto**, 91 bgs., Hershey Trdg. Co., Rotterdam; **Caraway**, 300 bgs., Frame & Co., Rotterdam; 100 bgs., A. Stallman & Co., Rotterdam; **Cardamom**, 15 cs., Brown Bros. & Co., London; 15 cs., Brown Bros. & Co., Bombay; **Castor**, 1,073 bgs., Order, Hamburg; 9,855 bgs., Order, Hamburg; 8 bgs., R. Desernine, Lagayra; 14,986 bgs., Order, Coconada; 7,336 bgs., Order, Bombay; **Colchicum**, 41 bgs., A. Joensson & Co., Hamburg; **Cotton**, 1,275 bgs., Carver Bros. & Co., San Juan; **Fennel**, 36 bgs., A. Stallman & Co., Hamburg; **Linseed**, 5,445 bgs., Northwestern National Bank Minn., Tientsin; 16,748 bgs., Spencer Kellogg & Sons, Rosario; 40,691 bgs., Spencer Kellogg & Sons, Rosario; 17,017 bgs., Anglo So. Amer. Bk., Buenos Aires; 8,434 bgs., Order, Buenos Aires; 44,736 bgs., Order, Santa Fe; 9,000 bgs., Merchants National Bk. Boston, Buenos Aires; 15,017 bgs., American Linseed Co., Buenos Aires; 35,043 bgs., Order, Buenos Aires; **Mustard**, 21 bgs., W. R. Grace & Co., Coquimbo; 301 bgs., Order, Bombay; **Yellow**, 25 bgs., Catz American Co., Rotterdam; **Poppy**, 30 bgs., A. Stallman & Co., Hamburg.
- SODIUM SALTS**—33 cs., Richard & Co., Hamburg; 144 bgs., Jungmann & Co., Hamburg; **Bromide**, 31 cs., Order, Hamburg; **Cyanide**, 110 cs., National City Bk., Havre; 25 cs., Hane Hinrichs Chem. Corp., Hamburg; **Cyanure**, 220 cs., National City Bank, Havre; **Hydrosulfite**, 5 kgs., Cunard S. S. Co., Liverpool; 200 csks., Kuttroff, Pickhardt & Co., Rotterdam; **Nitrate**, 10,524 bgs., W. R. Grace & Co., Iquique; **Nitrate, Synthetic**, 3,176 bgs., Order, Porsgrund; **Prussiate**, 25 csks., H. Kohnstamm & Co., Liverpool; 20 csks., Order, Liverpool; 38 csks., Brown Bros. & Co., London; **Sulfate**, 127 bbls., Potter & McWane, Hamburg.
- TARTAR**—264 bgs., American Express Co., Bordeaux; 81 csks., Tartar Chemical Works, Naples; **Cream**, 30 bbls., Order, Hamburg.
- VANILLA BEANS**—2 cs., Gomez & Sloan, Vera Cruz; 65 cs., American Express Co., Havre.

SAN FRANCISCO CHEMICAL IMPORTS

Imports at San Francisco for the week ending Sept. 2 included the following: On the steamer Minnesotan, from Hamburg, to E. H. Otto & Co., 43 barrels alum potash, to order 1,905 bags nitrogenous fertilizer, 67 drums calcium chloride, 7 barrels zinc chloride, 3 drums potassium permanganate, 4 barrels potassium prussiate and 2 cases potassium cyanide.

On the steamer Alaska, from Bordeaux, to the American Cream Tartar Co., 396 bags tartar and to Pascal Dubedat & Co., 79 cases mustard; from Cristobal to D. Ghirardelli, 250 bags cocoa and to order 1,350 bags cocoa. On the steamer Kongosan Maru, from Dairen, to Balfour, Guthrie & Co., 901 bags bean cake, to S. L. Jones & Co., 316 bags sunflower seed, to Koster & Co., 800 bags bean cake.

On the steamer West Jappa, from Buenos Aires, to Baker & Bros., 1,823 bags fertilizer, 4,771 bags dried blood and 8,593 bags tankage; from Montevideo, to order 1,996 bags dried blood; from Santos, to W. R. Grace & Co., 826 bags sunflower seed, to Balfour, Guthrie & Co., 314,733 pounds bones, to Swift de La Plata, 1,507 bags tankage, 3,077 bags dried blood and 1,232,161 pounds bones; to the Anglo & London Paris National Bank, 429 bags canary seed, to Baker & Bros., 2,494 bags dried blood and 733 bags tankage, to order 5,528 bags tankage, 6,195 bags fertilizer, 6,665 bags calcin bones, 382 bags sunflower seed, 3,101 bags bone meal, and 1,465 bags ground guana.

On the steamer Korea Maru, from Shanghai, to Wah Chang Trading Corp., 1,100 packages antimony regulus, to Amalgamated Trading Co., 625 bags mustard seed and to Buhachi Products Co., 15 barrels pyrethrum flowers.

Imports for the week ending Sept. 9 included the following: On the steamer Ventura, from Sydney, to the Crocker National Bank 3224 bags copra. On the steamer Kinderdijk, from Hamburg, to order 48 barrels ground barytes, 166 casks chalk; from Rotterdam, to order 200 bags potato flour, 63 drums potash and 185 cases olive oil, and to Pascal Dubedat & Co. 50 cases sulfur wicks. On the steamer Tahiti, from Sydney, to order 3155 sacks copra; from Raratonga, for Atkins, Kroll & Co., 2280 sacks copra, and to Wightman & Crane 1377 sacks copra; from Papete, to the O'Connor Harrison Co. 1420 sacks copra; to Williams, Diamond & Co. 750 cases vanilla beans, to Charles H. Durel & Co. 11 cases vanilla beans, to the Anglo, London Paris National Bank 5706 sacks copra, to Wightman & Crane 3140 sacks copra, to Atkins, Kroll & Co. 2500 sacks copra.

EQUIPMENT MAKERS ELECT OFFICERS

The Chemical Equipment Association organized at the Chemists Club, last week by electing the following officers: Peirce D. Schenck, of the Durison Co., Dayton, president; J. G. Lehmann, W. A. Lummus and Adolph Coors, Jr., vice-presidents; P. C. Kingsburg, of General Ceramics Co., treasurer. H. N. Spicer, of the Dorr Co., R. W. Lyle, of Carrier Engineering Co., P. S. Barnes, of the Pfaunder Co., E. C. Alford, of Shriver & Co., T. C. Oliver, of Chemical Construction Co. and H. H. Alford of the Badger Co., directors.

Headquarters will be established in New York and a secretary engaged, who will devote his entire efforts to the work of the association.

The United States Stores Co. has obtained a judgment for \$100 against John A. Nesbit.

Patents

Copies of patents may be obtained as follows: United States, 10 cents each; send to United States Patent Office, Washington, D. C.; French, one franc; send to M. M. Belin et Cie, 56 Rue des Francs-Bourgeois, Paris, for patents of the years 1902-1907, and to L'Imprimerie Nationale, 88 Rue Vieille du Temple, Paris, for patents of later date. German, one mark; send to Patent Office, Berlin. British, eight pence; send to Patent Office, London. Postage must be sent for British patents. Stamps are not accepted in payment for U. S. patents. In ordering patents, the number, name of patentee and subject of invention must be stated.

Granted Aug. 1, 1922

- 1,424,193—Thomas Lees Bartleson, Wilmington, Del. A process of making phosphorous oxychloride.
1,424,447—George B. Burnham, Glendale, Calif. A process of recovering valuable components in a liquid phase.
1,424,738—Lawrence V. Redman, Archie J. Weith, and Frank P. Brock, Evanston, Ill. Phenolic condensation product article and method of manufacture.

Granted Aug. 8, 1922

- 1,425,048—Samuel Peacock, Wheeling, W. Va. A process of producing alkali metal silicates in blast furnaces.
1,425,364—John Frederick Briggs, Spondon, near Derby, England. Treatment of cellulose acetate products.
1,425,500—Howard W. Matheson, and George E. Grattan, Shawinigan Falls, Quebec, Canada. Manufacture of acetic anhydride.

Granted Aug. 15, 1922

- 1,425,551—William H. Stanton, Ridley Park, Pa. Furnace for producing silicate of soda and the like.
1,425,565—Clyde E. Williams, Niagara Falls, N. Y. Method of preparing aqueous solutions of antimony trichloride.
1,425,576—John Collins Clancy, Providence, R. I. Catalyst and method of preparing the same.
1,425,577—John Collins Clancy, Providence, R. I. Process of preparing purified gas mixtures.
1,425,578—John Collins Clancy, Providence, R. I. Process of preparing hydrogen.
1,425,579—John Collins Clancy, Providence, R. I. Process of generating hydrogen and hydrogen-nitrogen mixtures.
1,425,580—Gustavus J. Esselen, Jr., Swampscott, and Harry S. Mork, Brookline, Mass. Cellulose derivative and process of preparing same.
1,425,605—Allan F. Odell, Brooklyn, N. Y. A process of producing organic acids.
1,425,625—Arthur A. Backhaus, Baltimore, Md. A process for the manufacture of esters.
1,425,625—Arthur A. Backhaus, Baltimore, Md. A process for production of ester-condensation products.
1,425,651—Teisuke Kato, Hyogo Ken, Japan. Process of manufacturing zinc dust.
1,425,669—Augustus E. Maze, Denver, Colo. A process for producing chlorine products from unsaturated hydrocarbons.
1,425,672—Fred G. Meyer, Detroit, Mich. Bottle-capping machine.
1,425,929—August Albert, Munich, Germany. Derivatives of organic arsenic compounds.
1,425,930—August Albert, Munich, Germany. Process of manufacturing new arsenic oxides or arsenobenzols.
1,426,261—Rene Emile Dior, Billancourt, France. Construction of sulfuric-acid chambers.

Granted Aug. 22, 1922

- 1,426,340—James Eliot Booge, Wilmington, Del. A process of treating by-product zinc oxide.
1,426,462—Georges Claude, Boulogne-sur-Seine, France. Production of hydrogen.
1,426,752—James H. MacMahon, Niagara Falls, N. Y. Preparation of liquid bleach solutions.
1,426,890—Francis M. McClenahan, Oakmont, Pa. Recovery of metals from silicates.
1,426,891—Francis M. McClenahan, Oakmont, Pa. Process of recovering metals from silicates.
1,426,920—Oliver S. Sleeper, Buffalo, N. Y. Autoclave.
1,427,049—Austin O. Allen, Merchantville, N. J. Methods of manufacturing arsenate of lead.
15,134—Howard W. Matheson, Montreal, Quebec, Canada. Process of manufacturing acetaldehyde.

Granted Aug. 29, 1922

- 1,427,182—Hermann Weyland, Hans Hahl, and Rudolf Berender, Elberfeld, Germany. Pharmaceutical compound.
1,427,351—Walter H. Bowman, Chicago, Ill. Container for mercury.
1,427,385—Siegfried Hilpert, Bonn-on-the-Rhine, Germany. A process for the treatment of waste sulfuric acid.
1,427,400—Chauncey C. Loomis, New York, N. Y. A process of producing salicyl aldehyde.
1,427,430—Emile Augustin Barbet, Paris, France. Distilling and rectifying column.
1,427,432—Louis Benda, Mainkur, near Frankfurt-on-the-Main, Germany. Acridinium compounds and a process of making the same.
1,427,441—Max Buchner, Hanover-Kleefeld, Germany. A process of fixing synthetical nitric acid.

The Acids Manufacturing Corp., Packer, Conn., is rebuilding the dam supplying water for the power plant following a recent wash-out resulting from floods in northern Connecticut.

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FIRST CLASS Chemical Salesman, Italian, Chemist, German-studies, large experience technically and commercially, highest references, wishes to represent only first American Factories in Italy and Switzerland for chemicals used in Paper, Soap, Leather and Textile Trades, Varnishes and Pharmaceutical preparations. September present New York. Address all communications to Box 226, DRUG & CHEMICAL MARKETS.

RECENT change in government mineral policy made you part owner of large and valuable chemical deposit. Write for full information. Burnham Chemical Co., 211 Reno National Bank Bldg., Reno, Nevada.

GROWER will contract with reliable firms, at fair price, for term of years, an acreage of wormwood, tansy, spearmint or peppermint. Box 238, DRUG & CHEMICAL MARKETS.

LARGE pharmaceutical house solicits special formulae work. Tablets, ointments, liquids, or toilet goods in any quantity. Lowest prices, strictly ethical. Box 232, DRUG & CHEMICAL MARKETS.

DISTRIBUTING concern in Pittsburgh wish to secure a good connection on Citric, Tartaric Acids, and allied chemicals on a commission basis. Box 233, DRUG & CHEMICAL MARKETS.

BUSINESS OPPORTUNITIES

BACKED by 14 years consulting, trading, and manufacturing experience a "go-getter," possessing those qualifications of enthusiasm, tact, and an engaging personality seldom found in chemists, seeks a sales opportunity for handling big field products for an ably managed company. Box 235, DRUG & CHEMICAL MARKETS.

FACTORY for rent (11,000 square feet) for occupancy Oct. 1st, located on Staten Island, convenient railroad and shipping facilities. In use at present time for chemical and dye purposes. Rent \$2,500 per year. For further particulars write to F. A. Fendel, 32 Broadway, N. Y.

HELP WANTED

CHEMIST WANTED—Our capital and plant is available to chemist who can manufacture a salable pharmaceutical or fine chemical product. This is an unusual opportunity for chemist to share in profits. Replies treated confidentially. Box 218, DRUG & CHEMICAL MARKETS.

A PACIFIC COAST Wholesale House wants a thoroughly qualified man as chemical buyer. Must have comprehensive knowledge of industrial chemicals and all details of purchasing. Man with capacity for detail needed. A splendid opportunity for the proper person. State age, experience, and record of employment, also salary expected. All communications strictly confidential. Box 219, DRUG & CHEMICAL MARKETS.

WANTED: Woman Pharmacist, drug store experience or pharmacy graduate. A. G. Guyer, Hyannis, Mass.

HELP WANTED

WANTED: Salesmen to handle our Massage Alcohol to both the wholesale and retail drug trade. If necessary, can be handled as a side line. Liebenthal Bros. & Co., 1430 W. 9th St., Cleveland, Ohio.

CHEMICAL trader capable of developing his own business is offered a very good opportunity of growing with successful chemical house. Box 229, DRUG & CHEMICAL MARKETS.


DRUG SUNDRIES man—a high class salesman, for established wholesale drug house in western Pa. State age, experience, and record of employment. Also salary expected. Box 234, DRUG & CHEMICAL MARKETS.

SITUATIONS WANTED

CHEMIST—Chemical Engineer with extensive experience and thorough knowledge hydrocarbons, vegetable and mineral oils and soaps, sulphonated oils, Turkey red oil, etc., desires position; has his own original formula and processes. Box 227, DRUG & CHEMICAL MARKETS.

CHEMICAL engineer, A.M., Ch.E., 34, married; able to construct and operate plant for the manufacture of Oxalic and Formic acids using latest practice. Desires new connections. Box 230, DRUG & CHEMICAL MARKETS.

POSITION wanted by single man, 37, chemist with experience in rubber, soap and similar industries. Speaks Spanish and French and would consider position as traveling representative in any territory. Box 225, DRUG & CHEMICAL MARKETS.



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GRADUATE chemical engineer, familiar with all general chemical processes, desires executive, research or sales position. Thoroughly experienced in plant operation and development and general business practices. Good references on request. Box 238, DRUG & CHEMICAL MARKETS.

CHEMICAL salesman—desires connection with representative house, West to Chicago, calling on wholesale drug and pharmaceutical firms. Tens years with last concern. Address Box 231, DRUG & CHEMICAL MARKETS.

ALL around drug man, executive, buying and selling, twenty-two years wholesale drug experience. Address R. K. Box 237, DRUG & CHEMICAL MARKETS.

DRUGS AND CHEMICALS

FOR SALE—caramel color, extracts, essences, flavors, etc., manufactured by Alex Fries & Bro., Fritzsche Bros., Kohnstamm & Co. and Morana Incorp. Also equipment. Write for list special cost price. Danciger Bros., Kansas City, Mo.

DRUGS AND CHEMICALS

FOR SALE—600 lbs. sublimed Anthraquinone, low for cash, Acme make. Box 1288, Providence, R. I.

OFFER WANTED for 35,000 pounds Phosphoric Acid 50% arsenic free. Box 217, DRUG & CHEMICAL MARKETS.

PROPIONIC and Butyric Acids all grades and strengths for sale at attractive prices. Apply Box 212, DRUG & CHEMICAL MARKETS.

FOR SALE: Cresylic Acid, Pale, 97 to 99%, from 7,000 to 8,000 gallons, in 100 gallon drums. Samples will be submitted upon request. Box 224, DRUG & CHEMICAL MARKETS.

WANTED: Inquiries on Acid Phosphate, Super Phosphate, Sulphate of Ammonia, Whale Guano and Castor Pomace. Also inquiries for Caustic Soda, Soda Ash, Bleach, and Sulphate of Alumina. Also inquiries for Sodium Sulphide, fused and broken 60-62% (special form of broken). Box 236, DRUG & CHEMICAL MARKETS.

WANTED, Acetic anhydride, Ammonium chloride, Amorphous phosphorus, Chlorosulphonic acid, Formaldehyde and Paraformaldehyde, Hydrogen peroxide up to 25%, Oleum 60%, Methylalcohol, Phenylhydrazine base and hydrochloride. Solid sodium silicate. Specify quantities and prices C. I. F. Buenos Aires. Dr. Zappi, Serrano, 1452-53, Buenos-Aires, Argentina.

PLANT EQUIPMENT

FOR SALE: 1 Crescent washing machine, suitable for small articles of any variety. The Kolynos Company, New Haven, Conn.

WANTED a Pharmaceutical Still about 500 gals. capacity tilting type. State condition and price. Kay Laboratories, Chester, Conn.

EXCESS Laboratory Chemicals & Equipment for sale. Send want lists E. I. du Pont de Nemours & Co., Wilmington, Del.

FOR SALE—12 new tinned drums, 110 gallon capacity. Meurer D-13. Monsanto Chemical Works, St. Louis, Mo.

WANTED: A single or double, ball or pebble Assay or Jar Mill. Pulley or motor driven—S. Box 239, DRUG & CHEMICAL MARKETS.

FOR SALE: Crusher, breaks solid contents of drums by automatic drop hammers pounding on drums. Works like stamping mill. Excellent for crushing Caustic Soda, or similar solids packed in drums. Wm. Schield Mfg. Co., St. Louis, Mo.

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ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.



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Bowker Chemical Co.	Meteor Products Co.
Church & Dwight	Mathieson Alkali Works
The Cleveland-Cliffs Iron Co.	The Miner-Edgar Co.
Commercial Solvents Corp.	Monsanto Chemical Works
Contact Process Co.	Nichols Copper Co.
Chas. Cooper & Co.	Pfaltz & Bauer
The Dow Chemical Co.	The Selden Co.
E. I. du Pont de Nemours & Co.	Roesler & Hasslacher Chem.
Ellis Jackson & Co.	Semet Solvay Co.
B. G. Feinberg	Solvay Process Co.
General Chemical Co.	Stein Hall & Co.
Grasselli Chemical Co.	Superfos Company
Wm. S. Gray & Co.	U. S. Industrial Alcohol Co.
R. W. Greeff & Co.	Victor Chemical Works
Edward Hill's Son & Co.	The Warner Chemical Co.
Industrial Chemical Co.	Wilkes-Martin-Wilkes Co.
Innis Speiden & Co.	Jacques Wolf & Co.

FINE CHEMICALS

Abbott Laboratories	Magnus, Mabec & Reynard, Inc.
Baird & McGuire	Mallinckrodt Chemical Works
Bowker Chemical Co.	May & Baker
Carbide & Carbon Chem. Corp.	Merck & Co.
Chicago Starch Co.	Meteor Products Co.
Antoine Chiris Co.	H. A. Metz & Co.
Commercial Solvents Corp.	The Miner-Edgar Co.
Commonwealth Chemical Corp.	Monsanto Chemical Works
Charles Cooper & Co.	N. Y. Quinine & Chemical Wks.
The Dow Chemical Co.	Perth Amboy Chem. Wks.
Eastman Kodak Co.	Pfaltz & Bauer
Electro Bleaching Gas Co.	Pharma Chem. Corp.
B. G. Feinberg	Powers-Weightman-Rosengarten
E. Fougere & Co.	Roesler & Hasslacher Chem. Co.
T. Fujisawa & Co.	Rhodia Chem. Co.
Grasselli Chemical Co.	Stein Hall & Co.
Guastini-Finch Chem. Co.	Superfos Company
William S. Gray & Co.	Unger & Co.
R. W. Greeff & Co.	U. S. Industrial Chemical Co.
Hoffman-La Roche Chem. Wks.	Victor Chemical Works
Industrial Chemical Co.	Wilkes-Martin-Wilkes Co.
Jose Lopez	

DYESTUFFS

Calco Chemical Co.	H. A. Metz & Co.
Chemical Co. of America	National Aniline & Chemical Co.
Dow Chemical Co.	New Brunswick Chem. Co.
Dye Products & Chem. Co.	Newport Chemical Works
Essex Aniline Works	Pharma Chem. Corp.
E. I. du Pont de Nemours & Co.	Sanborn Chemical Works
Ellis Jackson & Co.	Southern Dyestuffs Co.
Gary Chem. Co.	Stein Hall & Co.
Grasselli Chemical Co.	Jacques Wolf & Co.

COAL TAR PRODUCTS

Abbott Laboratories	E. I. du Pont de Nemours & Co.
Baird & McGuire	Jordan Coal Tar Products Co.
The Barrett Co.	H. A. Metz & Company
Calco Chemical Co.	Monsanto Chemical Works
Chatfield Mfg. Co.	National Aniline & Chemical Co.
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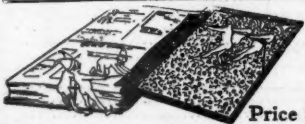
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W. J. Bush & Co.	Magnus, Mabec & Reynard, Inc.
E. Fougere & Co.	Morana, Incorporated
Hoffman-La Roche Chem. Wks.	Pfaltz & Bauer

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The Chemical Age	The Revue de Produits Chimiques
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Meta Phenylene Diamine

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Index To Advertisers

Abbott Laboratories	—
Baird & McGuire	768
M. L. Barrett Co.	774
The Barrett Co.	658
Battelle & Renwick	766
Bowker Chemical Co.	780
Buffalo Foundry & Machine Co.	586
W. J. Bush & Co.	4th cover
Calco Chemical Co.	652
Carbide & Carbon Chemical Corp.	4th cover
The Chatfield Mfg. Co.	771
The Chemical Age	635
Chemical Co. of America	780
Chemical Trade Journal	383
Chicago Starch Co.	713
Antoine Chiris Co.	772
Church & Dwight	705
The Cleveland-Cliffs Iron Co.	767
Commercial Solvents Corp.	756
Commonwealth Chemical Corp.	770
Contact Process Co.	780
Charles Cooper & Co.	755
The Dow Chemical Co.	757
E. I. du Pont de Nemours & Co., Acids & Heavy Chemicals Div.	699
Dyestuffs Department	723
Intermediates Department	763
Dye Products & Chemical Co.	769
Eastman Kodak Co.	633
Electro Bleaching Gas Co.	759
Elbia Jackson & Co.	517
Essex Aniline Works	707
B. G. Feinberg	771
E. Fougere & Co.	755
Fritzsche Bros.	773
F. Fujisawa & Co.	775
Gary Chemical Co.	638
General Chemical Co.	725
Grasselli Chemical Co.	756
Dyestuffs Dept.	778
William S. Gray & Co.	4th cover
R. W. Greeff & Co.	759
Guasti-Finch Chemical Co.	770
Edward Hill's Son & Co.	758
Hoffman-La Roche Chemical Works	764
Industrial Chem. Co.	766
Innis Speiden & Co.	763
Jordan Coal Tar Products Co.	770
La Revue des Produits Chimiques	769
Jose Lopez	706
Magnus, Mabee & Reynard, Inc.	774
Mallinckrodt Chemical Works	4th cover
Mathieson Alkali Works	726
May & Baker	770
Merchants Chemical Co.	780
Merck & Co.	780
Meteor Products Co.	716
H. A. Metz & Co.	724
The Miner-Edgar Co.	760
Monsanto Chemical Works	2nd cover
Morana, Incorporated	773
Nashville Industrial Corp.	780
National Aniline & Chemical Co.	1st cover
New Brunswick Chemical Co.	768
Newport Chemical Works	781
Nichols Copper Co.	705
Perth Amboy Chemical Works	761
Pfaltz & Bauer	779
Pharma Chem. Corp.	387
Powers-Weightman-Rosengarten Co.	755
Pratt Institute	780
Rhodia Chem. Co.	774
The Roessler & Hasselacher Chem. Co.	697
Sanborn Chemical Works	768
The Selden Co.	763
Semet-Solvay Co.	815
Solvay Process Co.	763
Southern Dyestuffs Co.	656
Stein Hall & Co.	4th cover
Superfos Co.	775
Ungerer & Co.	772
U. S. Industrial Chemical Co.	782
U. S. Industrial Alcohol Co.	782
Victor Chemical Works	771
The Warner Chemical Co.	762
Wilekes-Martin-Wilekes Co.	765
Wing & Evans	765
Jaques Wolf & Co.	632
The Yakugo Shuho	780



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VOLUME XI,

NEW YORK, SEPTEMBER 27, 1922

No. 13



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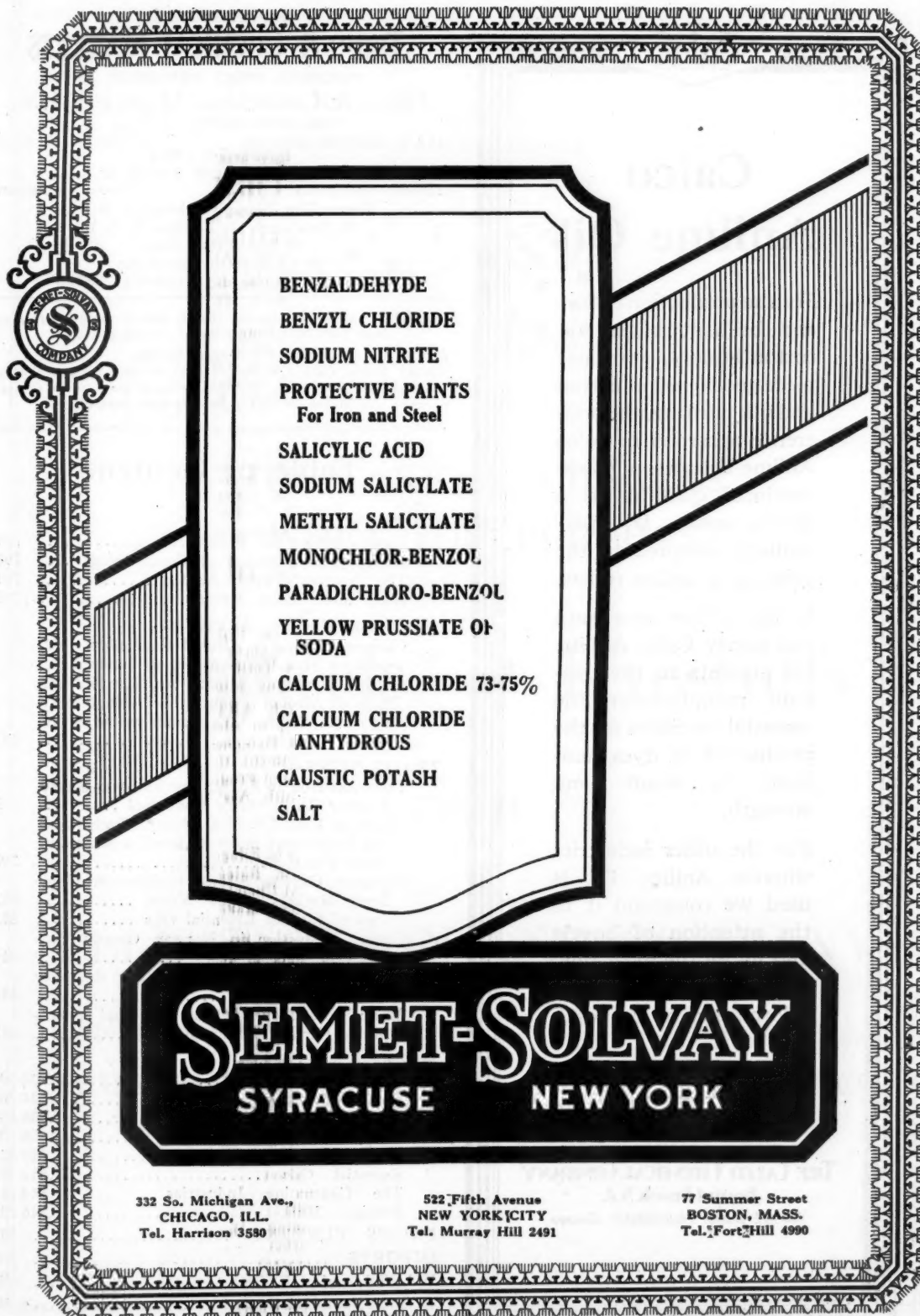
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PUBLISHED EVERY WEDNESDAY BY

DRUG & CHEMICAL MARKETS, INC.

WILLIAMS HAYNES, President

IRA P. MACNAIR, Secretary F. F. BURGIN, Treasurer

Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay

Cable Chemmarket

Home Life Bldg., Washington, D. C.

80 Fenchurch st., London, E. C. 3.

19 Rue Auber, Paris

40 Gr-Burstah, Hamburg

18 Yamashita-cho Kyobashi-Ku, Tokyo

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

Table of Contents

EDITORIALS—

Tariff's Effect on Prices	791
Hungary as a Source of Crude Drugs	791
The Treasury's Tariff Burden	791
Many Men: Many Minds	792

FEATURE TRADE ARTICLE—

Changing Policy in Alcohol Regulation. Experience Has Demonstrated to Internal Revenue Department that Excessive Restrictions on Alcohol Producers Are Unnecessary. By C. P. Smith, Ass't Commissioner of Internal Revenue	793
--	-----

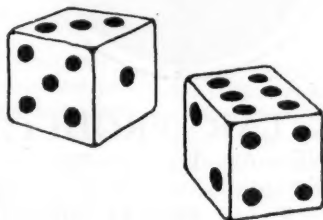
TRADE NEWS—

Tariff Act Now in Effect; Dye Embargo Killed. Further Tariff Rates Compared	795
Claims of Rival Chemical Shows. Roth-Payne and Nagelvoort Make Statements Regarding Their Plans	797
Hungary Gaining Strong Position in Crude Drug Markets of the World	811
Prices of Sicilian Essential Oils	813
Sulfite Production in Norway Greatly Curtailed in Recent Years	814
Great Britain Worried Over Slow Recovery of Foreign Trade	816
Many Swiss Chemical Products Equal in Output to German Production	817

MARKET REPORTS—

Heavy Chemicals	802-803
Fine Chemicals	804-805
Intermediates and Dyes	806-807
The Oil Market	808-809
Crude Drugs	810-811
Essential Oils	812-813
The Consuming Industries	814-815
Foreign Market	816-817

PRICES CURRENT	818
IMPORTS	839
WANTS and OFFERS	842
BUYER'S GUIDE	843
INDEX TO ADVERTISERS	844



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3 PARK PLACE, NEW YORK

VOLUME XI, NUMBER 13

[SEPTEMBER 27, 1922]

THE TARIFF'S EFFECT ON PRICES

Outside of a few sharp disconnected advances in price on some of the medicinal chemicals and one or two of the heavy chemicals, the direct immediate effect of the passage of the Fordney-McCumber Tariff Bill on chemical and drug values was not great. Predictions for immediate sweeping upward movements did not materialize during the first few days following the signing of the bill. Excitement was confined mostly to the frenzied efforts of steamers to land their cargoes prior to the bill becoming law last Thursday at midnight, so as to get the benefit of the lower Underwood rates then in effect. Tons and tons of chemicals were removed from bond here in time to avoid the higher duties, but as far as a general rise in prices was concerned, the trade had evidently discounted the situation well in advance, and many values had assumed anticipatory levels prior to passage.

Of the price movements immediately following the tariff enactment, advances in mercury, the mercurials, citric acid, tartaric acid, cream tartar, Rochelle salt, the bromides, the prussiates, barium compounds, sodium nitrite, chlorates, linseed oil, and a few others, were the direct result of the higher duties. A further gradual advance, particularly in industrial chemicals, is predicted over the next six months. The bulk of price movements during the past few weeks, however, which have developed an unusually strong upward tendency, is indicated as more of a reflection of local conditions, short stocks, retarded production, and better demand, than as a reflection of the tariff situation. The rise in all wood chemicals, wood alcohol, acetate of lime, acetic acid, hexamethylene, formaldehyde, acetone, the higher prices for bismuth preparations, phenol, bleaching powder, oxalic acid, copperas, arsenic, aniline oil, bichromates, and one or two others can be classified in this latter group. The latter movement in prices, having but a distant connection with the tariff, but directly traceable to conditions in stocks and production which have been developing for three years past, would undoubtedly have taken place whether the tariff bill passed or not. A resumption of a normal demand in the face of reduced supplies was the factor which started the movement a month or two ago.

In the essential oils, in spite of anticipation of passage, the placing of some dozen or so of the leading oils on the free list as compared with an Underwood duty of 20 per cent, came close to knocking the bottom out of the market in New York. Peculiarly, the higher duties on lemon and orange oils had little effect on prices here owing to the weak state of the shipment position, but the

lower duties on a number of other oils broke many prices badly. Some aromatic chemicals moved up sharply owing to the higher duties of 45 per cent, and 60 per cent and 7c a pound, but all in all the upward move was negligible compared to the weakening effect of the lower duties.

From the viewpoint of snap judgment, the claim that the tariff bill would drive prices to consumers close to the breaking point, seems much exaggerated, particularly when economic influences exclusive of the tariff, have driven prices over the wilder course in history during the last five years. In a nutshell, things look just now as if almost all other factors are going to have more effect on future prices than the much condemned Fordney-McCumber tariff rates.

HUNGARY AS A SOURCE OF CRUDE DRUGS

Evidence that the market reports in DRUG AND CHEMICAL MARKETS, are read in foreign countries, as well as throughout the United States, comes to hand from time to time. This week we publish a letter from Dr. Betegh, Consulting Expert of the Statistical Department of the Hungarian Government, who gives valuable trade information regarding the chamomile production this year, and in this connection a summary of the average annual crops of 24 other crude drugs, and information regarding the supply of leeches in Hungary.

The prices of crude drugs, with reference to the rate of exchange between Hungary and the United States, are discussed and the reasons for these prices which in many cases were misunderstood. The demand for Hungarian chamomiles, Dr. Betegh says, is not due to the Russian market being closed, but to the fact that since the war Hungary has had two very poor crops. So-called "German" chamomiles exported from Hamburg, are supplied to the German exporters by Hungarian producers, he says, and the 500 to 600 tons of stramonium leaves that reached the markets during the years 1920 and 1921 were nearly all of Hungarian origin.

THE TREASURY'S TARIFF BURDEN

The Treasury Department must now take the responsibility for enforcing the tariff rates approved by Congress, and the burden is not a light one. Secretary Mellon estimates that it will require at least three months for the Customs officials to work out the rates on synthetic organic chemicals, medicinals and dyes which heretofore have been restricted by the Dye and Chemical Control Section. Another situation which calls for further

action to protect the American chemical industry is pointed out by Dr. Herty who draws attention to the tremendous stocks of reparation dyes and medicinals now held by England, France, Belgium, and Italy, and which were taken in lieu of reparation and cost those countries nothing. All those countries are protecting their home industries by embargos, and this surplus material will be dumped on the American market, not sold at home where the products would come in competition with domestic material.

The Bureau of Chemistry will have difficulty with the chemical schedule, which apparently was not given the technical attention it requires. Essential oils derived from coal-tar products are chemically of the same composition as the natural products. Two rates are given in the Tariff Act on many of these oils. Coumarin is specifically mentioned under coal-tar products dutiable at 60 per cent and seven cents per pound; and under perfume materials it is dutiable at 45 per cent ad valorem. If an importer claims the lower rate the chemists will have some difficulty in deciding that the particular product in question is made from coal-tar and is not the natural product.

One of the first problems for the Customs Division was met immediately after the tariff bill was signed by the President. A steamer reached port at 12:45 daylight saving time and the consignments aboard were assessed by the Collector under the new tariff. The consignee has entered protest, claiming that the ship arrived inside Sandy Hook at 11:45 Standard time. The Government functions under Standard time and it seems probable that the consignee will be able to save \$150,000 the difference between the \$300,000 duty under the Emergency Tariff and the \$450,000 assessed by the Collector under the new tariff. The incident is only one of many indicating that the tariff calls for scientific adjustment.

The new section containing the clause known as the "similitude clause," which provides that colors imported that are similar to colors manufactured in this country shall be assessed on the basis of the American value of the similar color, is expected to raise technical points to decide which special rulings will have to be made by the Secretary of the Treasury. Under the embargo certain colors could be imported by consumers who had obtained the necessary permit from the Treasury Department and considerable quantities of these goods were in transit and on order when the new tariff went into effect. Importers declare that this will work a great hardship on many consumers, the tariff rate in some instances being as much as three times as great under the Fordney Act as under the Emergency Tariff.

Fires in the chemical, oil and drug industry are a constant menace to manufacturers and no group of business men has shown more appreciation of the police and fire departments than have the members of this industry. The Patrolmen's Benevolent Association and Uniformed Firemen's Association of New York have petitioned the Board of Estimate and Apportionment for an increase of salary,

and are seeking the support of the public in the effort to win it. Compared with other occupations both the police and firemen are underpaid. The weekly scale of wages for the building trades averages about \$8 over and above the pay of a policeman or a fireman. They deserve the increase.

If the estimate that the tickets sold in the moving picture business in the United States last year, amounted to \$700,000,000 is correct, the syndicate of dyestuffs manufacturers, financiers and technical experts who have found a process for coloring moving picture films at low cost, will have a large field in which to operate. The estimate is based upon tax returns made to the Treasury Department and is probably not far astray. The motion picture producers ought to be willing to pay well for a new attraction which will continue to bring in \$700,000,000 and may increase the amount by one or two millions.

Prof. F. E. Breithut's evening course in Commercial Chemistry begins next week at the City College, and will be held Tuesday and Thursday evenings, for eighteen weeks. This is, so far as we know, the first college course in the business-side of chemistry offered to the business men of the industry. The tuition is only \$12.50, and those interested should address Dr. Breithut at the College of City of New York, 139th st. and Convent ave.

Many Men: Many Minds

"All I can say about the tariff is that it is a protective tariff," Secretary of Commerce Hoover said. When questioned about retaliation by foreign countries, Mr. Hoover said: "After all, retaliation does not get anything."

The settlement of commercial disputes by submission to arbitration is a method which is becoming increasingly popular, and it is very important, therefore, that the exact relationship between the decision of the arbitrator and the ordinary law be accurately defined. —Chemical Trade Journal.

Britain stands on an entirely different footing from the other countries on the Continent, says the "Anglo-Swiss Review," of Basle. Where an English firm proposes to sue a Swiss firm in the Swiss courts, the probable amount of the defendant's cost must be deposited in the court by the plaintiff party, i. e., the British firm. Until this is done, the latter cannot expect to receive a hearing, much less a favorable decision. Of course, should the case be won by the plaintiffs, they naturally receive back the amount deposited, and very probably their own costs in addition.

Everyone connected with the pulp and paper industry now believes that higher prices, increased demand, better business and continued prosperity are in store for this industry from this time forward, says "The Paper Mill." The foundation of this optimism is the fact that demand for paper of all descriptions and for board and paper products has increased materially in the last few months. This increased demand is now being reflected in higher prices all along the line and in firmer conditions in the different markets.

Changing Policy in Alcohol Regulation

Experience Has Demonstrated to Internal Revenue Department That Excessive Restrictions on Alcohol Producers Are Unnecessary

By C. P. SMITH, Asst. Commissioner of Internal Revenue

THE manufacture and sale of distilled spirits have been subject to governmental regulation in this country almost from its foundation. During Washington's administration, a tax was imposed upon the manufacture of liquor and the imposition of the tax was resisted by many distillers. Washington called for 15,000 volunteers to put down the incipient rebellion and it came to nothing. From that time to the present, taxes have been imposed upon the manufacture of spirits and regulation has been necessary in order to collect those taxes. For the first hundred years of our national existence, distilled spirits were produced almost exclusively for beverage purposes. The manufacture of high-proof alcohol was unknown or unimportant until after the year 1870. With the development of the arts and industry the use of alcohol became more and more important. The heavy taxes to which it was subjected led manufacturers to petition Congress for relief from the tax upon alcohol which was to be used exclusively for manufacturing purposes. This demand was heeded by Congress in 1906 when the first law was passed which authorized the removal of alcohol from bonded distillery warehouses without payment of tax, provided it was sufficiently denatured to render it unfit for beverage purposes or for the manufacture of medicinal preparations. Ever since 1906 it has been possible to produce denatured alcohol without payment of tax.

During the war period industrial alcohol came into its own. The production of denatured alcohol in 1914 amounted to approximately 10,500,000 gallons. The amount produced in 1916 was 46,000,000 and in 1917 55,000,000 gallons. Alcohol played an important part in the winning of the war for the Allies. The regular alcohol distilleries in this country could not supply the war demand and many of the whiskey distilleries which had not heretofore produced high-proof alcohol were called upon and, by instilling redistillation columns, these whiskey plants were enabled to help meet the demand.

The National Prohibition Act was passed for the purpose of devising machinery to make effective the provisions of the Eighteenth Amendment to the Constitution. That amendment prohibits "the manufacture, sale or transportation of intoxicating liquors within, the importation thereof into, or the exportation thereof from the United States and all territory subject to the jurisdiction thereof for beverage purposes." Note that it was only "for beverage purposes" that the manufacture and sale of intoxicating liquors was prohibited. The National Prohibition Act was drafted at a time when Congress was fully cognizant of the importance of industrial alcohol to the arts and industries and to national defense. It sought to do two things: (1) to make effective the Eighteenth Amendment to the Constitution, that is, to prevent the manufacture and sale of intoxicating liquors for beverage purposes; (2) to in-

Mr. Smith's paper on "The Government Regulation of Industrial Alcohol" which was read by the Commissioner at the Chemical Exposition in New York on Sept. 13 last, carried a new note in the matter of Government enforcement of the alcohol laws. A more liberal attitude, particularly toward legitimate chemical enterprises, was noted. The changing policy in Washington is reflected in Mr. Smith's address which is published herewith.

sure an ample supply of alcohol for the arts and industries. This is shown by the descriptive title of the act, which is "An Act to prohibit intoxicating beverages, and to regulate the manufacture, production, use and sale of high-proof spirits for other than beverage purposes, and to insure an ample supply of alcohol and promote its use in scientific research and in the development of fuel, dye and other lawful industries."

Title II of the Act was for the purpose of accomplishing the first-named object. It rang the death knell of "booze." Title III of the Act was for the purpose of accomplishing the second object. It is entitled "Industrial Alcohol." The objects to be accomplished are clearly indicated by section 13, which reads as follows:

"The commission shall from time to time issue regulations respecting the establishment, bonding and operation of industrial alcohol plants, denaturing plants and bonded warehouses authorized herein, and the distribution, sale, export and use of alcohol which may be necessary, advisable or proper to secure the revenue, to prevent diversion of the alcohol to illegal uses and to place the non-beverage alcohol industry and other industries using such alcohol as a chemical raw material or for other lawful purposes upon the highest plane of scientific and commercial efficiency consistent with the interests of the Government, and which shall insure an ample supply of such alcohol and promote its use in scientific research and the development of fuels, dyes and other lawful products."

Must Be No Discrimination

Title II and Title III are mutually entitled to respect. No administrative officer has a right to ignore either. Neither has he a right to emphasize the one to the detriment of the other. The manufacture and sale of intoxicating liquor as a beverage is prohibited by the Constitution and by the Act. The manufacture and sale of alcohol for industrial purposes is not only not prohibited, but it is encouraged.

The importance of alcohol to the arts and industries is not generally known by the public. In its mind alcohol is associated with "booze." It is not known that it enters largely into hundreds of manufacturing processes, is extensively used in the manufacture of thousands of pharmaceuticals and is absolutely essential to the chemical industries. It would be presumptuous for me to attempt to point out to representatives of the chemical industries its importance to them. The chemist would be at a loss to proceed without it. Suffice it to say that the officials of the Internal Revenue Bureau are not insensible of its importance to them. Congress has never been hostile to the manufacture of alcohol for industrial purposes. The National Prohibition Act is not hostile to it. The Bureau of Internal Revenue desires to carry out the will of Congress as

expressed by that Act and by other Acts relating to its production and sale. The Bureau does not take the attitude that manufacturers and others needing alcohol in legitimate industry are entitled to purchase it under sufferance. They are entitled to purchase it under the law. That right is a legal right which is entitled to the same respect as any other legal right. If any prohibition enforcement officer is of a different opinion, that opinion is not shared by the responsible officials of the Bureau.

The production of industrial alcohol for non-beverage purposes has not been interfered with by the National Prohibition Act. That Act had its genesis at a time when Congress was fully awake to the part that alcohol had played in the World War. It was anxious to encourage the alcohol industry not only that this country might be independent of European countries for its dyes, but also as a means of national defense. The Bureau is anxious to carry out the wishes of Congress in this regard. The only thing that it is concerned with upon this point is that the alcohol which is produced for non-beverage purposes shall not be diverted to beverage purposes. In order to do this it has been necessary to formulate regulations and to provide that pure or undenatured alcohol, which may readily be converted into beverage purposes, shall be sold only upon permits to purchase. These permits have, in the past, often been forged under circumstances which would indicate connivance on the part of the officials or agents of the manufacturer in the violation of the law. Some alcohol manufacturers have undoubtedly found it very difficult and unprofitable to do business under the Prohibition Act, but the Bureau is anxious not to destroy a legitimate industry or business where the owners or officials are not clearly and intentionally violating the law.

Distribution of Alcohol

The real problem created by the National Prohibition Act for manufacturers and users of industrial alcohol relates to its distribution. Prior to its effective date, persons requiring the use of alcohol in their business ordinarily purchased it from a wholesale chemical dealer along with other chemicals. The distribution was made at a nominal cost. The wholesale chemical dealer was the channel of distribution until the issuance of T. D. 3208, which was prompted by an opinion of the Attorney-General dated February 2, 1921. That opinion held that none besides manufacturers, importers and wholesale druggists could properly, under the National Prohibition Act, be given permits to sell intoxicating liquors. Title II of the Act defines this term as including alcohol. Although only manufacturers, importers and wholesale druggists can lawfully sell undenatured alcohol, I am not clear in my own mind that the opinion of the Attorney-General must necessarily be interpreted as above indicated. The pertinent paragraph of the opinion is as follows:

"As to industrial alcohol, insofar as the term is applied to denatured alcohol, that is, alcohol which is not fit for beverage purposes, the above provisions do not apply since the words 'liquor' and 'intoxicating liquor,' as defined in Section 1 of Title II, while including alcohol, do not include alcohol which is not 'fit for beverage purposes.' Section 10 of Title III provides that 'alcohol lawfully denatured may, under regulations, be sold free of tax either for domestic use or for export'; and Section 13 provides that the Commissioner of Internal Revenue shall issue regulations respecting industrial alcohol plants, and 'the distribution, sale, ex-

port and use of alcohol which may be necessary to secure the revenue, to prevent diversion of the alcohol to illegal uses, etc.' This section seems to furnish the only limitations upon industrial alcohol found in Title III, but insofar as alcohol fit for beverage purposes is concerned, they are in addition to those laid down in Title II."

Alcohol Distribution Unsatisfactory

The present method of distribution of alcohol is unsatisfactory. After T. D. 3208 was issued, a number of industrial alcohol factories established agencies in different cities for the distribution of their output. In some of these cases the agents proved "crooked" and got their principals into trouble. In other cases the agencies were operated at a loss. The effect was that the companies made no money and the ultimate cost of alcohol to the consumer was increased. If the National Prohibition Act can be construed to permit the Commissioner of Internal Revenue to grant permits to responsible chemical dealers, to deal in alcohol, the pure as well as the denatured, and such a method of distribution would result in a cheapened supply without increasing the ease with which the law can be violated I, personally, am of the opinion either that the law should be so construed as to permit the granting or that there should be supplementary legislation which would warrant such a method of distribution. In the past legitimate users of pure alcohol have sometimes been hampered in their manufacturing operations by not being able to get alcohol in the quantities called for in their applications. These applications have been cut down, even though, under the law, they were entitled to purchase all that was asked for. This situation has recently been remedied by the promulgation of T. D. 3381, dated August 4. The director will hereafter approve permits for the purchase of alcohol unless he has some ground other than suspicion for not doing so. This will indicate to you that the Bureau is moving in the right direction.

This change in the regulations may necessitate another change in the policy of dealing with applications for permits. Heretofore applications of permits to purchase alcohol for manufacturing purposes have generally been granted where nothing can be found against the applicant. The result has been the granting of thousands of permits to persons desiring to manufacture hair tonics, flavoring extracts and patent medicines. The situation in the flavoring extract industry is demoralized. It is needless to say that much of the alcohol sold to these small manufacturers for industrial purposes is utilized in the making of "bootleg" whiskey. It is very probable that there will come a time when a man must show more than that he has never served a jail sentence before he will be entitled to receive a permit to purchase pure alcohol for manufacturing purposes. That day will be hailed with delight by legitimate users of alcohol.

Future of Alcohol

The future of the alcohol industry in this country seems to me to be very promising. With the improvement of business, the demand for alcohol must increase. The dye industry is now on a stable basis and it demands large quantities of alcohol. The alcohol motor fuel industry is also on a sound basis. In the light of these facts the Internal Revenue Bureau would be shortsighted, indeed, if it took a hostile attitude toward the industrial alcohol industry. I assure you that it does not. If it did so, it would be a violator of the law and not be setting a proper example to the public. Law observance, like charity, begins at home.

New Tariff in Force September 22

Dye Embargo Killed in Senate Finance Committee—New Rates on Chemicals and Dyestuffs Make Necessary a Complete Revision of Customs Regulations—Force of Inspectors To Be Increased—Tariff Commission Calls for Additional Clerical Help and Larger Appropriation—Rates in Fordney-McCumber Act Compared With Underwood Tariff—President Signed Bill on Thursday, Sept. 21

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 27.—The Fordney-McCumber bill was signed by President Harding at 11 o'clock on Thursday morning, Sept. 21, making the new tariff act effective at midnight. The ceremony of signing the tariff bill was witnessed at the White House by Representative Fordney and Senator McCumber and other members of the Ways and Means and the Finance Committees. The President attached his signature with a gold pen given him by Chairman Fordney and afterwards presented by the President to Chairman Fordney as a souvenir.

After signing the bill, President Harding said: "Gentlemen, I thank you for coming. This law has been long in the making. I do not know how many are in accord with me, but if we succeed as we hope to succeed in making effective the elastic provisions of the measure, it will make the greatest contribution to tariff making in the history of the government."

The various government departments laid plans to meet the changes brought about by the tariff Act. The Treasury sent out telegraphic instructions to all collectors advising them to continue under the present regulations pending the adoption of the regulations that are being drafted by a special committee, headed by Mark Andrews, solicitor to the Collector of Customs at New York.

Secretary of the Treasury Mellon announced that it would be necessary to enlarge the force of customs inspectors at New York and elsewhere by virtue of the additional work imposed upon the force through the new bill.

Thomas O. Marvin, chairman of the Tariff Commission, indicated that the whole commission would have to be reorganized, the personnel increased in number and a much larger appropriation made to carry out the directions of Congress with respect to the flexible features.

DYE EMBARGO KILLED

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 27.—Efforts to extend the dye embargo to give the Treasury Department time to adjust itself to the administration of tariff rates on coal-tar products on the basis of American valuation ceased when the Senate Finance Committee, by a vote of 8 to 5, sustained a point of order raised by Senator Reed, Democrat, of Missouri, that as the resolution affected revenue, it would be unconstitutional for the Senate to act before the House had acted.

The House Ways and Means Committee, which had favorably reported the extension resolution, 10 to 7, announced when that report was voted that it would not press the matter until the Senate acted first.

Four Republican members of the Finance Committee joined the three Democratic members who were present in sustaining the point of order against the resolu-

tion in the Senate. They were Senators Smoot, Watson, of Indiana, LaFollette and Dillingham. The Democrats were Senators Simmons, Reed, of Missouri, and Walsh, of Massachusetts. Voting against the point of order were five Republican senators—McCumber, Calder, Frelinghuysen, Sutherland and McLean.

U. S. STILL TO GET REPARATION DYES

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 27.—The State Department announces that the nations represented on the Reparations Commission had acquiesced in the American proposal that the value of the dyes be applied against the cost of the American army of occupation. It has been estimated that this will amount to \$3,000,000 a year. The significance of the announcement is that the American textile interests are assured of obtaining German dyes as cheaply as the textile interests of Great Britain, France, Italy and other Allied nations will get them.

Acting Secretary of State William Phillips made known that while the Reparations Commission had acted favorably upon the American proposal, no machinery for the distribution of the dyes had been set up and none agreed upon. The Textile Alliance formerly was the agency through which the dyes allotted to the United States were distributed. The State Department must work out a plan. The money which the American companies have paid for reparations dyes prior to this time has been turned into the Reparations Commission and accredited to Germany.

TARIFF RATES COMPARED

In the list of tariff rates under the Fordney-McCumber bill compared with the Underwood tariff, published in the issue of DRUG & CHEMICAL MARKETS dated Sept. 20, a few rates got out of line with the products to which they apply. A corrected list is reprinted this week covering the items found to be wrong and adding additional products. Sodium nitrate and nitrite became transposed. The nitrate is free under the Fordney-McCumber bill and the duty on nitrite is three cents a pound. Of the distilled or essential oils, anise, bergamot, bitter almond, camphor, caraway, cassia, cinnamon, citronella, geranium, lavender, lemon grass, lime, lignaloe, bois de rose, neroli or orange flower, origanum, palmarosa, petitgrain, rose or otto of roses, rosemary, spike lavender, thyme and ylang ylang or cananga are on the free list. The general rate on most other essential oils is 25 per cent ad valorem. Details follow:

Products	Fordney-McCumber	Underwood Law
Oil Lemon	25%	10%
Oil Orange	25%	10%
Oil Bergamot	Free	20%
Oil Sandalwood	25%	20%
Oil Eucalyptus	25%	20%
Oil Cloves	25%	20%
Oil Peppermint	25%	25c lb.
Vanillin	45%	10c oz.
Coumarin	60% & 7c lb.	20%
Aromatic Chemicals or non-coal tar Natural Derivatives	45%	20%
Coal Tar Derivatives	60% & 7c lb.	20-30%
Essential Oils	25%	20%
Not specially provided for		
Perfume Compounds	40c lb. & 50%	
(Less 10% alcohol)		
Perfumes & Toilet Preps.	40c lb. & 75%	
(More 10% alcohol)		
Antipyrine	7c lb. & 60%	25%
Terpin Hydrate	35%	25%

Products	Fordney-McCumber	Underwood Law	Products	Fordney-McCumber	Underwood Law
Glycerophosphoric Acid	35%	25%	Phosphoric Acid	2c lb.	Free
Gum Arabic	15c lb.	1/4c lb.	Pigments, Artists	40%	20%
Ipecac	10%	Free	Black	20%	18%
Castor Oil Soap	35%	15%	Lead	30%	25%
Fish Sounds	Free	25%	Pimento	1c lb.	3/4c lb.
Cinchona Bark	Free	Free	Plasters, Healing	20%	15%
Almonds, Not Shelled	45c lb.	3c lb.	Polish, Collodion	25%	40%
Shelled	14c lb.	4c lb.	Polishing Powders	25%	15%
Gas Mantle Scrap	35%	10%	Potato Starch	15c lb.	1c lb.
Cerium Salts	35%	15%	Propyl Alcohol	6c lb.	1/4c lb.
Anise Seeds	2c lb.	2c lb.	Prussian Blue	8c lb.	20%
Caraway Seed	1c lb.	1c lb.	Pyrogallol Acid	12c lb.	12c lb.
Cardamom Seed	10c lb.	Free	Quebracho Extract	15%	Free
Cassia, Unground	2c lb.	1c lb.	Quercitron Extract	15%	3/4c lb.
Buds	2c lb.	1c lb.	Quinine Sulfate	Free	Free
Ground	5c lb.	1c lb.	Rapeseed Oil	6c lb.	6c lb.
Cinnamon, Unground	2c lb.	1c lb.	Rochelle Salts	5c lb.	2 1/4c lb.
Ground	5c lb.	1c lb. & 20%	Roots	10%	10%
Cloves, Unground	3c lb.	2c lb.	Sage	1c lb.	1/4c lb.
Ground	6c lb.	2c lb.	Sandalwood Oil	25%	Free
Cumin Seed	1c lb.	Free	Sarsaparilla Root	1c lb.	1c lb.
Ginger Root	2c lb.	1c lb.	Satin White	1/4c lb.	20%
Mace, Unground	4c lb.	8c lb. & 20%	Seal Oil	6c gal.	3c gal.
Ground	8c lb.	8c lb. & 20%	Soaps, Perfumed Toilet	30%	30%
Mustard Seed	1c lb.	Free	Castile	15%	10%
Paprika	2c lb.	1c lb.	Other Soaps & Powders	15%	5%
Coal-Tar Products			Soluble Greases	35%	25%
Medicinal Compounds	60% & 7c lb.	15%	Soya Bean Oil	2 1/4c lb.	Free
Salicylic Acid	60% & 7c lb.	25c lb.	Sal Soda	14c lb.	1/4c lb.
Salol	60% & 7c lb.	25%	Sodium Arsenate	1c lb.	Free
Phenolphthalein	60% & 7c lb.	25%	Bicarbonate	14c lb.	1/4c lb.
Acetanilid	50% & 7c lb.	25%	Borate	14c lb.	1/4c lb.
Acetylsalicylic Acid	60% & 7c lb.	25%	Bromide	10c lb.	15%
Guaiacol Carbonate	60% & 7c lb.	25%	Carbonate	14c lb.	Free
Ink Powders	60% & 7c lb.	15%	Chlorate	1 1/4c lb.	1/4c lb.
Benzoate of Soda	60% & 7c lb.	5c lb.	Chloride (pkgs.)	11c 100 lb.	Free
Saccharin	60% & 7c lb.	66c lb.	Chloride (bulk)	7c 100 lb.	Free
Alizarin and Dyes Obtained			Chromate	14c lb.	1/4c lb.
from Alizarin, Anthracene	60% & 7c lb.	Free	Formate	2c lb.	15%
Explosives	60% & 7c lb.	Free	Ferrocyanide	2c lb.	1/4c lb.
Drugs, Crude	Free	Free	Hydroxide	14c lb.	1/4c lb.
Drugs—Barks, Beans, Berries,			Nitrate	Free	1/4c lb.
Bulbs, Bulbous Roots, Excre-			Nitrite	3c lb.	1/4c lb.
scences, Fruits, Flowers, Dried			Phosphate	14c lb.	1/4c lb.
Fibers, Dried Insects, Grains,			Sesquicarbonate	14c lb.	1/4c lb.
Herbs, Leaves, Lichens,			Sulfate, Glauber's	\$1.00 ton	\$1.00 ton
Mosses, Roots, Stems, Vege-			Sulfide, Under 35%	14c lb.	15%
tables, Seeds (Aromatic, not			Silicate	14c lb.	1/4c lb.
garden seeds) Seeds of mor-			Sulfites	14c lb.	1/4c lb.
bid Growth, Weeds—Advanced	10%	10%	Thiosulfite	14c lb.	1/4c lb.
Dyedwood Extracts	15%	10%	Sperm Oil	10c gal.	8c gal.
Other Dyeing and Tanning			Starch, Potato	14c lb.	1c lb.
Extracts	15%	Free	All others	1c lb.	1/4c lb.
Enamel Paints	25%	Free	Stearic Acid	11c lb.	15%
Epsom Salts	1/4c lb.	1-10c lb.	Stramonium	25%	Free
Ethyl Alcohol, Non-Beverage	15c proof gal.	\$2.60 gal.	Strontium Salts	25%	15%
Ergot	10c lb.	10c lb.	Strychnine	15c oz.	Free
Ethyl Acetate	3c lb.	5c lb.	Styrax Balsam	10c	10%
Chloride	15c lb.	20%	Sugar-Up to 75° test	1 24-100c lb.	1/4c lb.
Ether (Sulfuric Ether)	4c lb.	20%	Each additional Sugar Degree	1-1000c lb.	4c lb.
Eucalyptus Oil	25%	20%	Sulfuric Ether (Ethyl Ether)	4c lb.	Free
Expressed Oils			Sumac Extract	15%	15%
Castor	3c lb.	12c gal.	Synthetic Fruit Flavors	25%	15%
Coconut	2c lb.	Free	Talc, Ground	25%	Free
Cottonseed	3c lb.	Free	Crude, Unground	14c lb.	5c lb.
Extracts, Dyeing and Tanning	15%	15%	Tannic Acid, Under 50%	4c lb.	5c lb.
Fats and Oils, Hardened	4c lb.	Free	Over 50%, Non-Medicinal	10c lb.	5c lb.
Flavoring Extracts	25%	20%	Over 50%, Medicinal	20c lb.	5c lb.
Formaldehyde Solution	20%	20%			
Formaldehyde, Solid	2c lb.	1c lb.			
Fruit Essences	25%	15%			
Fuller's Earth, Unmanufactured	\$1.25 ton	20%			
Manufactured	\$1.50 ton	75c ton			
Fusel Oil	6c lb.	1/4c lb.			
Fustic Extract	15%	Free			
Gallie Acid	8c lb.	6c lb.			
Gelatin, Glue, Manufactured	7c lb. & 20%	25%			
Gentian	14c lb.	14c lb.			
Glycerin, Crude	1c lb.	1c lb.			
Refined	2c lb.	2c lb.			
Gold Salts, etc.	25%	10%			
Ground Ochres, Siennas, Um-					
bers	3c lb.	5%			
Hardened Oils and Fats	4c lb.	Free			
Hemlock Bark Extract	15%	Free			
Hempseed Oil	14c lb.	8c gal.			
Herbs	10%	10%			
Herring Oil	5c gal.	5c gal.			
Ink and Ink Powders	10%	15%			
Insect Flowers	10%	10%			
Iodine, Resublimed	10c lb.	Free			
Jalap	10c	Free			
Lactic Acid, Under 30%	2c lb.	1 1/4c lb.			
30%—35%	2c lb.	1 1/4c lb.			
over 35%	2c lb.	1 1/4c lb.			
Lead Arsenate	2c lb.	1 1/4c lb.			
Perfumed Toilet Soap	10c	30%			
Unperfumed	10c	10%			
Perfumery, Alcoholic	4c lb. & 75%	40% & 60%			
Non-Alcoholic	10c	60%			
Persian Berries	10c	3c lb.			
Peru Balsam	10c	10%			

DYE SALES TO CANADA INCREASE

(Special to DRUG & CHEMICAL MARKETS)

Toronto, Canada, Sept. 27.—The monthly report of the Trade of Canada for July gives the value of imports of dyeing and tanning materials as follows: From Britain \$16,402, United States \$207,925; other countries \$40,588; total \$264,915; as compared with imports from Britain \$15,573, United States \$257,350; other countries \$45,051; total \$317,974 for July 1921.

Imports of aniline and coal tar dyes included in the above were: From Britain 37,800 pounds, value \$15,476; United States 167,968 pounds, value \$98,519; Germany 11,215 pounds, value \$14,748; Netherlands 8,857 pounds, value \$9,405; Switzerland 13,199 pounds, value \$13,610; other countries 3,805 pounds, value \$1,797; total 242,934 pounds, value \$153,555; as compared with imports from Britain 38,024 pounds, value \$14,085; United States 83,015 pounds, value \$84,680; Germany 5,767 pounds, value \$28,471; Switzerland 4,639 pounds value \$8,664; total 131,445 pounds, value \$135,900 for July, 1921.

Claims of the Rival Chemical Shows

Series of Questions Put to Adriaan Nagelvoort, Leader of Insurgent Group for 1923 Co-operative Chemical Exposition, and to Charles Roth and Fred Payne of the Old Show, Reveals Attitude of Both Factions—Payne-Roth Management Claims 185 Signed Up for 1923 Thus Far—Nagelvoort Claims 50 Verbal Promises—Method of Financing and Prices for Floor Space Discussed by Both Sides

Announcement of an insurgent chemical exposition next year at the Madison Square Garden under the management of a co-operative committee and Adriaan Nagelvoort, in direct competition to the annual show at the Grand Central Palace, by the International Exposition Co. of which Fred Payne and Charles F. Roth are managers, has stirred up considerable uncertainty among former exhibitors. That the industry might find out exactly why a new show has been started and the reasons therefor, DRUG & CHEMICAL MARKETS interviewed Mr. Nagelvoort, the leader of the revolutionary movement. That the Payne-Roth side of the situation should also receive equal attention, both of these gentlemen were also interviewed and a series of questions which were asked both sides, revealed the aims of each.

Questions Put to Mr. Nagelvoort

What is the object in starting a new show in direct competition to the present one?

"To win back the enthusiasm of the chemical industry in a chemical exposition by making the chemical industry a part of the management. The present show has lost this hearty support, but it is believed that a co-operative show in which all exhibitors share in the profits, can bring it back. To win back the enthusiastic support of the national societies which cannot logically support a chemical show run for the profit of a few individuals. There is widespread dissatisfaction with the present chemical show. The new show has been put forward to give all dissatisfied exhibitors a chance to enter a show of their own. The new show will be made not only an educational feature of the industry, but emphasis will be laid on exhibits which tend to show the visiting capitalist that the chemical industry is a live and substantial investment field. It will also be its object to bring the leading chemical consumers in.

In what ways do you intend to change the arrangement used by the present Chemical Exposition?

Mr. Nagelvoort replied: "By a common sense grouping of the exhibits. Groups will be formed according to the products manufactured. There will be a chemical group, a dyestuff group, and the like. The machinery groups will be subdivided into their natural classes, such as large and small machines, instruments, and so forth. In no case will the groups be broken up or mixed in together."

Will a co-operative show really save the exhibitors money?

"Money saved by a co-operative show will be small. Owing to the fact that the cost of floor space is the smallest part of the exposition expense, a great deal of money cannot be saved by lowering the booth rental," said Mr. Nagelvoort.

Just what inducements are you offering prospective exhibitors to go into the new show?

"First of all a show in which they will have a voice

in the management. Second, a lower space rate than they have been paying. Third, a materially improved service of the management to the exhibitors. Fourth, a show which will be primarily and above all a real chemical show in which the first aim will be to induce the chemical manufacturers to come in. Fifth, a floor at the 69th Regiment Armory (which will be used in addition to the Madison Square Garden) which is built on solid rock and can take exhibits of any weight. Sixth, an auditorium in the Madison Square Garden which is ideal for lectures, conferences and the like. Seventh, the fact that exorbitant profits for any one manager or group of managers is impossible. If there are any profits, they shall go to cutting down exhibitors' expenses. All exhibitors shall share in the profits."

How many exhibitors have you signed up thus far?

"None on actual written contract, although I have the verbal promise from sufficient houses to fill the 69th Regiment Armory, about 50 firms."

How will the show be managed?

"By a committee of exhibitors through a salaried manager."

How will space be allotted?

"By a committee of exhibitors—an executive committee you might call it."

How will a co-operative show of this type be financed?

"Sufficient moneys will be received from the initial payment of 25 per cent required on signing a contract for space to carry through until show time next September."

The Payne-Roth Statements

Charles F. Roth and Fred Payne, co-managers of the Chemical Exposition for the past eight years for the International Exposition Co., made the following answers to questions when interviewed on the possibilities of an opposition show next year:

What are your plans for next year?

"To run the best chemical exposition which the American industry has ever seen, right here in the Grand Central Palace, during the week of Sept. 17 as planned some weeks ago."

Will the fact that there may be an opposition show change your plans?

"Not in the slightest. We are out to put on a successful chemical exposition and will do so as we have for eight years past."

How many firms have signed up for next year's show at the Grand Central Palace?

"Signed contracts have been received from about 185. About fifty more have signified their intention of again exhibiting next year, but have not sent in their contracts as yet."

Why did you cut the price of space for the 1923 Chemical Exposition?

"For the simple reason that the International Exposition Co. has recently secured two new additional shows which it will manage, the profit from which enables a reduction in all space prices through a proportionate reduction in overhead."

What do you think of the co-operative idea in a chemical show?

"Just the same as in any other business. Usually a failure through the inability of the co-operating parties to agree. Domination of the situation by certain interests to the exclusion of others. Expensive and

inefficient. Usually looks good on paper, but in the actual working out is many times a failure. Few co-operative expositions have ever been successes."

What inducements do you offer exhibitors to stay with the old chemical show?

"The same as we have offered for eight years. Stability, a sound business basis, long experience in the exposition business, and the co-operation of a company which is absolutely certain just what it is doing. We have no financial interest in any exhibitor, nor has any exhibitor any financial interest in our company. We can afford to act impartially under all circumstances. We always co-operate with exhibitors and conduct extensive advertising and publicity campaigns, an attendance of 128,000 this year being mute testimony to this policy. No matter if the chemical exposition was a dead loss, it would come off as per schedule because of the fact that it is one of ten shows a year which the International Exposition Co. manages. Its financial failure would not mean the slightest embarrassment to any exhibitor. To put on a show every year requires \$150,000 to \$200,000 capital. We have this money to use expressly for this purpose. We are not working on guesses, possibilities nor likelihoods. Mr. Payne has had 19 years experience, having managed about 150 shows altogether, while I (Mr. Roth) have been in the business for eight years."

CYANIDE GAS KILLS FUMIGATORS

(Special to DRUG & CHEMICAL MARKETS)

San Francisco, Cal., Sept. 27.—Poisoned by cyanide gas while fumigating the Toyo Kisen Kaisha liner Shinyo Maru at pier thirty-six, five employees of the United States Public Health Service are dead, and another is so badly poisoned that his life is despaired of. In addition to the death toll, seven city firemen, a physician and a member of the Customs Service were overcome by the gas when they plunged into the hold of the big vessel and pulled the bodies of the dead and dying to the open air. The fumigators had begun to place the cyanide in crocks of water and sulfuric acid and it is believed that some of them remained too long in the hold.

Cyanide gas has been used here in the fumigation of vessels since 1915. It was discontinued several months ago, following the death of two men on the steamer Tahiti, but its use was resumed a few weeks ago when additional precautionary methods were adopted. Chief Inspector Frank W. Gilbert, who was one of the victims, had been with the Public Health Service thirteen years and had superintended the fumigation of hundreds of vessels with cyanide gas.

IN FAVOR OF HELPING EUROPE

A folder bearing the title "Helping Europe" has been issued by the Chemical National Bank, and comprises extracts from an interview with Percy H. Johnston, president of the bank, which appeared in the "Commercial and Financial Chronicle." Mr. Johnston says in part:

"The world is looking to America to take the lead. The opportunity is great for us to do a constructive job and in a truly American businesslike way. Shall we meet the situation squarely or shall we continue to be timid and hold back? The day of settlement is inexorable, a prompt adjustment is essential, and the sooner made the better. The world will continue in turmoil and uncertainty so long as we drift as at present."

CLAIMS OF CHEMICAL SHOW RIVALS TO BE THOROUGHLY INVESTIGATED

Salesmen's Association Committee To Confer with Roth and Nagelvoort and To Report with Recommendations—Overwhelming Sentiment for "One Show or None"—F. P. Summers Named Chairman of Membership Committee—N. Y. Chapter's Annual Meeting and Election Set for Friday, Oct. 13

In reply to an invitation from the management of the new co-operative Chemical Exposition to name a representative to serve on their Board of Directors, the Executive Committee of the Salesmen's Association of the American Chemical Industry has appointed a committee to confer with the managements of both of the proposed chemical shows, to investigate thoroughly their claims and plans for serving the industry, and to report back their findings with recommendations.

This action was taken at the first meeting of the new Executive Committee, at a meeting held Monday evening at the Chemists' Club. The sentiment of the committee was unanimous on the futility of any attempt to perpetuate two annual chemical expositions, and the thought behind the appointment of the Investigating Committee is that the Salesmen's Association can render good service to the industry by impartially sifting the claims of the rival managements and laying the facts before the exhibitors. It seems probable that the weight of the association's influence will be thrown with that one of the two shows which offers the best opportunities of accomplishing the greatest good for the industry as a whole.

That the exhibits of the chemical manufacturers are in charge of the sales departments, that the expenses of exhibiting are charged up to sales departments accounts; that the salesmen have charge of the booths, and that the decision to exhibit is almost always based upon the recommendations of the sales executives was brought out in the discussion that followed the receipt of the invitation to name a director for the co-operative managements. Before even tacitly recognizing either show management, a chance will be given both, and the opportunity to conduct an impartial investigation, backed by a controlling and yet friendly interest, should, the committee felt, be used to serve the broader, best interests of the chemical producers.

The greater part of the meeting was given over to a discussion of the program for the winter's activity, and plans are being perfected for seven meetings. Prof. F. E. Breithut, of the College of the City of New York, addressed the meeting and outlined a special course for chemical salesmen that the college, in co-operation with the association, would like to offer. His invitation to the association to come to the college, to have dinner up in their famous Tower, and later to visit the chemical laboratories and to listen to short talks, with chemical experiments, was accepted.

Defying superstition, the next meeting of the New York Chapter was set for the evening of Friday, the 13th of October, at 6.30, at the college. This will be the annual meeting of the New York Chapter at which a local chairman, secretary and treasurer will be elected.

President Boyer announced the appointment of Dr. F. P. Summers as chairman of the Membership Committee, and in conference with him, will name the other members of this committee. The chairmen of the other standing committees will be announced shortly.

The Editor's Correspondence

Not Interested in Arbitration

Editor, DRUG & CHEMICAL MARKETS:

My attention has been called to an article by J. Noble Braden, Secretary, Arbitration Society of America, in the DRUG & CHEMICAL MARKETS, issue of Sept. 13, entitled "Plan of the Tribunal of Justice Now Being Investigated by the Synthetic Organic Chemical Manufacturers of the United States." In the third paragraph the statement is made:

"The success which has been achieved by arbitration in the field of commercial disputes, recently, has caused leading chemical manufacturers to discuss its application to their industry. Arbitration has been listed as one of the subjects to be inquired into by the Synthetic Organic Chemical Manufacturers of the United States. The association will recommend that it be employed in the chemical field should an investigation reveal need for a speedy and effective method of determining disputes."

As a matter of fact, the existence of the Arbitration Society of America and its Tribunal of Justice has never been brought to the attention of this association. Upon inquiry in my office I find that some time ago my secretary was asked over the telephone whether or not the association was interested in the subject of arbitration of disagreements regarding contract terms and similar claims in the chemical industry. She replied that the association had not considered the matter; in response to further leading questions she replied to the effect that the subject might possibly be considered when the association had reached a position where it could give consideration to constructive problems affecting the industry. Answering the question whether she could be quoted in an article which the speaker was preparing, she stated emphatically that she saw nothing in the association's position which could be quoted, and in the second place, that she had no authority to speak for quotation.

In the light of the above statements, I beg to ask that you will make correction of this matter in the next issue of your publication.

Sept. 18, 1922.

CHAS. H. HERTY, President.

C. F. ABBOTT LEAVES NATIONAL ANILINE

Charles F. Abbott, for the past three years director of publicity and sales research of the National Aniline and Chemical Co. has resigned, effective Oct. 1. Mr. Abbott, who is one of the best known sales managers in the country and a charter member of the Society of Sales Executives, came from the sales managership of the Celluloid Company to study marketing conditions in the dyestuff field. During the past two years he has been very active in the work for adequate tariff protection for the dye industry. He was also one of the organizers of the Salesmen's Association and has represented the industry on the Commercial Standards Council.

Mr. Abbott's first plan is for "a good vacation." Many friends are hoping that he will return to chemical industry activities, but he insists that he has no future plans that are definitely made.

The Pennsylvania Salt Manufacturing Co. has declared the regular quarterly dividend of 2½ per cent, payable Oct. 14 to stock of record Sept. 30.

HUNGARY GAINING STRONG POSITION IN CRUDE DRUG MARKETS OF WORLD

Dr. P. Betegh, Consulting Expert to the Statistical Department of the Government, Explains the Chamomile Situation—Hungary's Annual Output of Various Crude Drugs

Editor, DRUG & CHEMICAL MARKETS:

The short notice on "Hungary's Medicinal Herbs" exports in your issue of Aug. 9 induces me to offer a few remarks on this subject, because a reference to the drug exports of Hungary dealing exclusively with the chamomile business is apt to convey a wrong idea of our country's position in the drug trade.

The article states that the price of chamomile flowers owing to speculative buying through banks has risen to 100 crowns per kilo, although raw chamomiles cost only 3 to 7 crowns to gather. At the time when the new crop was brought in chamomile flowers were quoted in your journal at 26 to 28 cents per pound, which corresponds to about 50 cents per kilo c. i. f. New York, and at that time the dollar was worth here about 1300 crowns. In a country where the farmer does not sell his eggs without first ascertaining the latest rate of exchange at the Zurich Bourse, it is not likely that the collector would allow the exporter to make such large profits as represented by the difference between 100 and 650 crowns. As a matter of fact, country merchants have been paying from 30 to 60 crowns a kilo for raw flowers, and the exporter had to pay 300 to 400 crowns at the country station.

Neither is it the case that the demand for Hungarian chamomiles is the consequence of the Russian market being at present closed; on the contrary, pre-war Russia was a big consumer of this drug, and the great foreign demand is much more likely due to the fact that during the war the Italian, Spanish and Japanese chamomiles have vainly tried to replace the Hungarian article, renowned for its unsurpassed aromatic qualities and further that after the war we have had two very bad crops, barely sufficient to satisfy a small portion of the demand. The present year's crop with its 500 tons is somewhat below the average and it found the markets in a famished condition. Although importers generally held back, this crop was picked up in a few weeks and is now in strong hands waiting the winter, when we shall probably see higher prices.

As consulting expert to the Statistical Department I am in a position to furnish you reliable data about the yearly output of crude drugs in Hungary, and I append a table showing the crop and exports based on the figures for the past three years:

Average Annual Output	
tons	tons
Juniper Berries..... 800	Belladonna Root..... 160
Chamomile Flowers..... 500	Althea Root..... 20
Elder Flowers..... 60	Calmus Root..... 30
Linden Flowers..... 150	Hellebore Root..... 40
Belladonna Leaves..... 50	Coriander Seed..... 120
Stramonium Leaves..... 250	Mustard Seed, brwn & yel.. 200
Henbane Leaves..... 40	Sunflower Seed..... 600
Horshound Leaves..... 80	Pumpkin Seed..... 150
Marshmallow Leaves..... 150	Corn Silk..... 50
Malva Leaves..... 30	Ergot of Rye..... 15
Blessed Thistle Herb..... 140	Cantharides..... 12
Alkanet Root..... 160	Paprika..... 700
Peppermint Leaves..... 80	Leeches (pieces)..... 100,000

These figures tell their own story and testify to the importance of Hungary in the supply of many valuable drugs.

The bulk of our crop reaches the consuming centers through the medium of German, chiefly Hamburg, exporters, and thus it has happened that in many mar-

kets, in England particularly, this article is called "German" chamomiles, although Germany does not grow chamomiles except some small quantities on cultivated ground. In a similar way, much ignorance prevails about the origin of many other drugs, and very few importers and consumers will probably be aware of the fact that the 500 to 600 tons stramonium leaves that reached the markets during the years 1920-21 were nearly all of Hungarian origin.

In this connection I may perhaps be permitted to state that of late much has been done in this country to encourage the collection and to control the quality of the drugs collected. The Board of Agriculture has established a bureau especially for the control of the crude drug trade, and this bureau sends its experts to all parts of the country in connection with their propaganda service. A State Laboratory has been set up where consulting chemists examine the drugs with a view to ascertaining whether they correspond to the requirements of the countries for which they are intended. This bureau charges 5 per cent on the invoice value of the drugs, and the major portion of this tax is again used for propaganda expenses. Our drug trade may thus look forward to a favorable development, and may be expected to advance in a few years' time from its present modest position into a more prominent place in the world's markets.

Dr. P. BÉTEGH, Managing Director of the Pantodrog Co. Budapest, Hungary, Sept. 9, 1922.

For the first time since November, 1920, the number of surplus freight cars has been virtually absorbed by the growing demand for transportation facilities due to increased industrial activity, according to reports just received by the Car Service Division of the American Railway Association from the railroads of the country. Such a situation at this time is seasonable and normal, however, for there is always a heavier demand for freight cars in the fall than at other times owing to the increase in the movement of crops and fuel, as well as all other commodities.

Copper sales for August, both foreign and domestic, are estimated at 100,000,000 pounds, compared with 125,000,000 pounds for July, 140,000,000 for June and 210,000,000 for May. About half of the August total is understood to have been sold abroad. The coal and rail strikes acted as a retarding influence on domestic business.

The Sterling Products, Inc., for the first six months of 1922 reports net earnings, after taxes and other deductions, of \$1,685,190. This, according to officials, is a substantial increase over the corresponding period last year.

A group of bankers has purchased privately a block of common stock of the Eastman Kodak Co., which will be offered for public subscription this week. The terms of the offering have not yet been determined.

The MacAndrews & Forbes Co. has declared the usual quarterly dividends of 2½ per cent on the common and of 1½ per cent on the preferred stock, payable Oct. 16 to holders of record Sept. 30.

The United States Industrial Alcohol Co. has declared the regular quarterly dividend of 1¼ per cent on the preferred stock, payable Oct. 16 to stock of record Sept. 30.

DYE MEN IN COLOR FILM COMPANY

The syndicate of forty-five prominent business men, including many in the dye industry, who have subscribed \$1,000,000 for the development of a process of coloring motion pictures, will use a process invented by Daniel Frost Comstock, a scientist and engineer, for several years a member of the Faculty of the Massachusetts Institute of Technology. A corporation called Techni Color, Inc., was chartered in Delaware on September 12, and a subsidiary is called the Techni Color Motion Picture Corporation of Maine. The Delaware Corporation has 330,000 shares of no par value, but 60,000 shares are to be sold to provide funds for the construction of a factory near this city and one near Hollywood, Cal. The laboratory and development work is being done at Boston.

Dr. Herbert T. Kalmus, a chemical engineer, and a member of the industrial engineering firm of Kalmus, Comstock & Wescott, Inc., of Boston, is the president of the new company; William Travers Jerome is the vice-president, and the directors are William Hamlin Childs of Brooklyn, who is a director in many dye corporations; Eversley Childs, president of the Bon Ami Company and director in several dye corporations; N. T. Pulsifer, president of Valentine & Co.; Thomas W. Slocum of Minot, Hooper & Co.; C. E. Danforth, a broker; Alfred W. Erickson of the Erickson Company, Inc., and Alfred Fritzsche of the Grinnell Company, Inc. Marcus Loew also is to be added to the directorate at a meeting on Tuesday.

Others interested in the syndicate are Frederick H. Ecker, vice-president and director of the Metropolitan Life Insurance Co.; Horace S. Wilkinson, chairman of the board of the Crucible Steel Co.; William L. Ward, the Republican leader in Westchester County; Henry A. Colgate, secretary of Colgate & Co.; Austen Colgate, second vice-president and director of Colgate & Co.; Leroy W. Baldwin, president of the Empire Trust Co., 120 Broadway; Nicholas M. Schenck, secretary of Loew's Theatrical Enterprises; H. Hobart Porter, consulting engineer; James C. Colgate of 36 Wall street and Frank Foster of the Congoleum Co.

The remaining shares are placed in a voting trust to be controlled for five years by Mr. Jerome and four other directors. This board probably also will act as a board on censorship and pass upon the scenarios of films which are to be put through the coloring process for other companies.

Although Mr. Comstock has been working on the process for more than seven years and Mr. Jerome and some of his associates have been interested in it for more than two years, they have not yet shown a complete film, but will be ready for a New York public exhibition some time in October.

Abraham Auerbach, former head of Auerbach & Co., manufacturers of hair tonic, was arrested at Cleveland, Ohio, by the police acting under orders of Assistant United States Attorney Bretenstein, and charged with violation of the National Prohibition Act. At the same time, according to Federal officials, a warrant was out in New York for the arrest of Auerbach's brother, Louis, his business associate, on a similar charge. The arrest of Auerbach follows alleged alcohol manipulations through the hair tonic business running into hundreds of thousands of dollars, according to federal officers.

The Vanadium Corporation of America has re-elected the officers who served last year.

QUOTATIONS ON CHEMICAL STOCKS

	Bid	Asked		Bid	Asked
Air Reduction	59½	59	Heyden Chem.	1¼	1½
*Allied Chem. & D. 82½	83		Hooker Electro.	55	65
*Allied Ch. & D., pf. 112¼	115		Hooker Electro. pf.	60	70
*Am. Ag. Ch.	38¼	39	*Int. Agricult.	9	10
*Am. Ag. Ch., pf.	69½	69½	*Int. Nickel.	17¼	17½
*Am. Chicle.	9	10	*Int. Nickel, pf.	82¼	84
*Am. Cote. Oil.	27¾	28	*Int. Salt.	70	75
*Am. Cot. Oil, pf.	53	55	*Mathieson Alk.	48	48½
*Am. Cyan.	15	20	*Merck & Co., pf.	70	75
*Am. Cyan., pf.	53	56	*Merrimac.	83	88
*Am. Druggist S.	6½	6½	*Mulford Co.	35	40
Am. Glue.	40	45	*Mutual Co.	150	150
Am. Glue, pf.	65	70	*National Lead	104½	105
*Am. Linseed	36½	37	*National Lead, pf. 115	120	120
*Am. Linseed, pf.	55	57	N. J. Zinc.	154	156
*Am. Malt.	12	13	Niag. A., pf.	96	100
*Am. Zinc.	19	19½	Parke, Davis & Co. 103	104	104
*Amer. Zinc, pf.	46	47½	Penn. Salt.	80	81
Atlas Powder.	140	150	People's Gas. Chi.	95	96
Atlas Powd., pf.	91	95	Procter & Gamble. 124	128	128
British Am. Chem.	1	1	Procter & Gam., pf. 102	106	106
By. Prod. Co.	57	65	Rollin Ch.	50	60
Carborundum.	135	135½	Rol. Ch., pf.	80	90
Carborundum, pf.	115½	116	Royal Bak. Po.	110	115
Casolin Co.	30	45	Royal Bak. Po., pf. 97	98	98
Celluloid Co.	92	98	Sherwin-Williams ..	28	29
Celluloid Co., pf.	105	106	Sherwin-W., pf.	93	97
Ches. Mfg.	195	205	Stand. Ch.	90	100
Ches. Mfg., pf.	110	115	Swan & Finch.	32	35
Com'l Solv. A.	47½	47½	*Tenn. C. & Chem.	9½	10½
Do B.	44½	44½	*Tex. Gulf. Sul.	55	55½
*Corn Products	114½	115	Union Carbide	61	61½
*Corn Products, pf. 117½	122	122	Union Sulphur	79½	80½
*Davison Chem.	49	49½	*Un. Drug.	49½	50
Dow Chem.	200	200	*Un. Dyewood.	43	45
Dow Ch., pf.	103	103	*Un. Dyewood, pf. 92	95	95
Du Pont de Nem. 144	146	146	Un. Gas, Imp.	54	54½
*Du Pt de Nem. Db. 88¼	88¼	88¼	Un. Gas, Imp., pf. 56	57	57
Eastman Kodak	85½	86¼	U. S. Gypsum.	54	54
Eastman Kodak, pf. 108½	108½	108½	*U. S. Indus. Al.	64¼	65
*Freeport, Tex. Sul. 22¼	22¼	22¼	*U. S. Indus. Al., pf. 98½	100	100
Freep. Tex. Sul., pf. 91	93	93	*Va. Car. Ch.	25	26½
*Grasselli.	128	132	*Va. Car. Ch., pf. 64¼	68	68
*Grasselli, pf.	100	101½	*V. Vivaldau.	13	13½
Hercules Powder.	190	190			
Hercules Powd., pf. 102	104	104			

*Listed on New York Stock Exchange

FINANCES OF AGRICULTURAL CHEMICAL

S. B. Fleming, president of the International Agricultural Chemical Co., said in his recent report to stockholders: "Total sales, while far below the usual, were equal in tonnage to the preceding year. Sales were restricted, particularly in the South, due to credit conditions. Owing to the demand for fertilizer being far below productive capacity, competition was very severe and prices necessarily low. During the year \$404,000 of bonds were paid and a reduction of \$2,724,857 made in current liabilities, making a total reduction in bonded indebtedness and current liabilities of \$3,128,857 from June 30, 1921.

"Net operating profits were \$1,398,821 before deducting interest on bills payable and bonds outstanding aggregating \$1,464,599. The large amount of interest paid during the year was due to employing an increased amount of capital in order to extend to planters in the South additional time on accounts, made necessary by poor crop conditions and a great decline in cotton during the past two years. With an improvement in the cotton market and prospects of a better crop this year, indications are that many of these past due accounts will be collected during the season, and this should effect a material improvement in the financial position. Inventories are carried at cost or market, whichever is lower. Special reserves of \$2,743,265 include an amount to cover judgment rendered July 15, 1922, in favor of the Tennessee Fertilizer Co., which amounted to \$529,366."

SHERWIN-WILLIAMS CO. OF CANADA GAINS

W. S. Fallis, vice-president and managing director of the Sherwin-Williams Co. of Canada, reports an increase of 20 per cent in tonnage and gallonage for the year ended Aug. 31, 1922, over the previous year. Profits are not that much higher, paint being 35 per cent below the peak. He says the company will show a good surplus, however, after depreciation, bond interest and dividends. Mr. Fallis continued:

"Recognizing the readjustments following the heavy depreciation of 1920, we have followed a conservative course with every confidence that as the months went by improvements would be shown, and the results of the year have confirmed the wisdom of this policy. We are not unduly depressed by adverse conditions, nor unduly elated by unwarranted optimistic reports. With the bountiful crop that is being harvested throughout the entire country, the best undoubtedly since 1915, we can view the internal conditions of Canada with confidence that she is sound."

New Incorporations

Natural Gas Products, Inc., New York, \$100,000. To make liquid products of natural gas. W. M. Landis, 501 5th ave., New York. Corporation Trust Co., 37 Wall st.

Arrow Chemical Co., Newark, N. J., \$100,000. W. A. Beers, W. A. and E. A. Schilling, 763 Broad st., Newark.

Clark Chemical Co., Boston, Mass., \$25,000. Nelson B. Clark, 166 Lawrence st., Malden, Mass.

Eu-Co-Cide Chemical Co., Cleveland, \$65,000. E. A. Wamsley, R. J. Moriarity, J. E. Gallagher, J. L. Weidand.

American Chemical Gas Co., Philadelphia, \$1,500,000. Rep., Corporation Guarantee & Trust Co., Dover, Del.

Tai Kee Indigo Co., Ltd., Wilmington, Del., \$30,000. To deal in dyes. Rep., Corporation Service Co., Dover, Del.

R. E. Carpenter Co., Elizabeth, N. J., \$50,000. To make chemical products. Stephen France, A. Vance Pierson, W. R. Morris, Elizabeth.

Dyes & Chemicals, Inc., Montclair, N. J., \$150,000. To make chemicals, by-products and dyes. L. C. Brennan, W. H. Orr, Francis Earle, 120 Highland ave., Montclair.

The Stockholders' list of the American Smelting and Refining Co., shows 11,450 preferred stock holders owning 496,000 shares and 7,516 common stockholders, owning 609,980 shares. Holders of ten shares or less of preferred stock are 47.2 per cent of the total number of preferred stockholders and 49.85 per cent of the total number of common stockholders own ten shares or less. Only 89 persons own 500 shares of preferred and 151 hold 500 shares of common.

The Corn Products Refining Co. has declared the regular extra dividend of 50c a share on common and the regular quarterly dividends of \$1 a share on common and \$1.75 a share on the preferred stock. The preferred dividend is payable Oct. 14, and common dividend Oct. 20, all to holders of record Oct. 2.

The General Fireproofing Co. has declared a quarterly dividend of 1½ per cent on the common stock, and the regular quarterly dividend of 1¼ per cent on the preferred, both payable Oct. 2 to holders of record Sept. 20. Three months ago a distribution of 1 per cent was made on the common.

The American Cyanamid Co. has declared a regular quarterly dividend of 1½ per cent on the preferred stock, payable Oct. 2 to holders of record Sept. 25. Heretofore semi-annual disbursements of 3 per cent were made on this issue.

The Angier Chemical Co., Boston, Mass., has issued a financial report on the fiscal year ending June 30, 1922. The statement shows a credit profit and loss amounting to \$362,822 and gives current assets as more than \$453,000 as against liabilities of \$98,293.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 830

ARSENIC SUPPLIES SCARCE

Buyers Not Covered and Situation Is Developing Speculative Features—Barium Products Strong and Prices Going Up—Ammonium Sulfate Slightly Easier—Acetic Acid and Acetone Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

		Advanced					
Acetone, 2c lb.		Lead Acetate, 1/4c lb.					
Acetic Acid, 2c@5c lb.		Potassium Prussiate, 1c lb.					
Barium Chloride, \$5 ton		Sodium Prussiate, 1/4c lb.					
		Sodium Nitrite, 1/4c lb.					
		Declined					
		No Declines					
		Trend of the Market					
		Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial.....lb.	\$12	\$12	\$12	\$12	\$11	\$19 1/2	\$07
Sulfuric Acid, 66 deg. ....ton	14.00	14.00	14.00	18.00	55.00	20.00	
Bleaching Powder, Works .....100 lbs.	2.00	2.00	1.60	2.40	9.50	1.50	
Copper Sulfate .....100 lbs.	5.90	5.90	5.95	5.25	20.00	4.50	
Potash, Caustic .....lb.	.05	.05 1/4	.05 1/4	.05 1/4	.87	.08	
Saltpetre, gran. ....lb.	.06 1/4	.06 1/4	.06 1/4	.09 1/4	.35 1/2	.04 1/2	
Soda Ash, 58 p.c. ....100 lbs.	1.80	1.80	1.80	2.25	3.50	.60	
Caustic Soda, 76 p.c. ....100 lbs.	3.55	3.65	3.60	3.85	9.50	1.42	
Potassium Bichromate .lb.	.10	.10	.10	.12	.65	.06 1/4	
Average	3.066	3.066	3.083	3.57	11.06	3.14	

Since the passage of the tariff prices have become much firmer, but there has been no general advance except in few items. Buyers have begun to manifest more interest in purchasing supplies before the new tariff rates affect prices. In many lines stocks have become scarce and makers are having difficulty in meeting orders. On the strength of last week's advance in acetate of lime, acetic acid and acetone have been advanced in price. Bleaching powder continues scarce and makers unable to supply demand.

Arsenic prices are nominally quoted at 9c but the supply is extremely limited and buyers are not covered and are unable to secure supplies. Producers are not quoting for the future and a strong speculative situation is developing. Barium products are strong and prices are going up. Ammonium sulfate is slightly easier with the resumption of coking operations. Alums are strong on scarcity of stocks. Copperas supplies continue scarce and the prices remain firm. Prussiates of potash and soda are both strong and are gradually advancing in price. Salt cake is scarce owing to curtailment of muriatic acid production. Sodium nitrite has been advanced slightly. Caustic soda remains unchanged.

Acid, Acetic—Makers have advanced their prices 20c @50c per cwt. on the strength of the advance in lime acetate. 28 per cent is now quoted at \$2.80 for carlots at works and 56 per cent at \$5.60. 70 per cent in carlots at \$7.00 and 80 per cent at \$8.18. Glacial is quoted at \$10.71@10.96 for carlots and U. S. P. at \$11.21@11.46.

Acid, Muriatic—Demand has been quiet and makers have curtailed production. Stocks are plentiful. 20° is

quoted at \$1.10@1.50 for carlots of carboys at works. 22° held at \$1.40@2.00.

Acid, Nitric—Buying is still confined to small quantities. Makers' prices are quoted at \$4.50@5.25 for 36° in carlots at works. 38° is quoted at \$5.00@5.65.

Acid, Oxalic—Supplies are scarce and makers are busy supplying demand. Prices are unchanged with makers naming 17c per pound at works. Spot goods are very limited and prices named are 17 1/4c@18c.

Acid, Sulfuric—Situation remains unchanged. Demand has been improving but no change in price has taken place. 60° is quoted by makers at \$9.00@10.00 in tanks at works and 66° at \$14.00@16.00.

Acetone—Makers advanced their prices with the advance in wood alcohol and lime acetate. C. P. in carlots at works is now quoted at 16c@16 1/2c. Less than carlots in drums at 16 1/2c. Second hand on spot at 18c@18 1/2c.

Alums—Supplies are scarce and makers are sold in advance supplying the demand for ammonia alum. Powdered ammonia is quoted at \$3.85@3.90 in carlots at works. Ground is named at \$3.40@3.60 and lump at \$3.50. Potash is quoted at \$4.50, at works and imported at 3c@3 1/4c. Soda named at 3 1/2c@4c and chrome at 5c@6c.

Ammonium Chloride—Prices continue firm with a slight upward tendency. Imported white is quoted at 6 1/2c@7c and gray is scarce at 7 1/2c@8c. Makers' prices for white at 7 1/2c@7 3/4c and gray at 7 1/2c@7 1/4c.

Ammonium Sulfate—Makers are still busy supplying the demand though there has been a slight increase in production. Prices are quoted at \$3.50@3.60 per cwt. in bulk at works.

Arsenic—The situation is becoming acute with leading buyers uncovered and unable to obtain supplies. Only small quantities are to be found and the price is nominal at 9c@9 1/2c. Producers are unwilling to quote on future production.

Barium Chloride—With the new tariff rates in operation and the scarcity of stocks prices have been climbing upward rapidly. Imported is named at \$100 per ton. Domestic prices at \$90 f. o. b. works.

Bleaching Powder—Demand continues strong with makers sold ahead. Prices are firm at the new high level of \$2.00 per cwt.

Copperas—Prices are firm at \$21.00 per ton in carlots at works. Carlots in bags are quoted at \$23.00 @25.00 per ton. Scarce on spot.

Copper Sulfate—Makers have made no change in selling price of \$5.90 per 100 pounds. Demand continues normal for this season of the year.

Lead Acetate—Makers have advanced their prices 1/2c due to the recent rise in acetic acid. White crystal are named at 11c@11 1/2c in barrels at works. White broken at 10 1/2c@11c and granular at 10 3/4c@11 1/4c. Powdered at 11 1/4c@12 1/4c.

Potash, Caustic—Prices have been advanced on better demand and higher tariff rates. Imported 88-92 per cent is named at 6c@6 1/2c. Domestic prices remain unchanged at 8c.

Potassium Prussiate—Imported prices have advanced sharply and goods are now quoted at 37c as an inside price. Red is scarce with prices ranging from 90c@95c.

Salt Cake—Stocks have become depleted and makers are unable to supply demands of buyers. The price is quoted at \$25.00 per ton.

Soda Ash—Makers have not changed their basis of quotation. Contracts are on a basis of 48 per cent in carlots of bags at works at \$1.20. Spot bags ex-warehouse quoted at \$2.10.

Soda Caustic—Makers quote \$2.50 for contracts basis 60 per cent carlots of drums at works. Single shipments named at \$2.57½. Spot goods are held at \$3.70@3.75 in makers' hands.

Sodium Prussiate—Stocks continue scarce. Prices have been rising and are at a new high level. Generally quoted at 24½c@25c.

The announcement made at the Pittsburgh meeting of the American Chemical Society of the gift of an annual prize of \$25,000 by the Allied Chemical and Dye Corp. was received with approval in the trade. The prize is to be awarded to the American chemist, who in the opinion of a committee from the American Chemical Society, has done most for the advancement of chemistry.

The business of the Keene Co. (in bankruptcy), manufacturing chemists, London, has been disposed of by the trustee, Parkin S. Booth, accountant to the Association of Manufacturing Chemists, Ltd., to H. Newhouse, who, it is understood, is forming the business into a limited liability company.

Announcement was made last week by the Chino Copper Co., Silver City, N. M., of a 10 per cent wage increase to miners, effective Oct. 1, due to improved conditions of the copper mining industry in the Southwest.

E. C. Mefford, manager of the Mefford Chemical Co., Los Angeles, reports that heavy chemicals are in very good demand in Los Angeles. He says the Mefford Company doubled its business in the past year.

The office of associate editor of the "Journal of Industrial and Engineering Chemistry" and the advertising department has been moved from 1 Madison avenue to 19 E. 24th street, New York.

Paul Nobbe, formerly vice-president of the American Aniline Products, Inc., is now acting as an agent for foreign and domestic manufacturers of dyestuffs with offices at 29 Broadway, New York.

The United States Glass Co., Pittsburgh, Pa., has called a special stockholders' meeting for Oct. 4 to vote on a proposition to dispose of the firm's property and plant. The sum involved is \$1,920,000.

The Seydel Chemical Co. has declared an 8 per cent dividend on the preferred stock payable Oct. 25 on stock of record Sept. 30.

E. I. duPont de Nemours & Co., Wilmington, Del., will open its explosive plant at Hannibal, Mo., this month, after a shut-down lasting a year.

The Rupert Fertilizer Works, Bloomsburg, Pa., was destroyed by fire recently. The loss is placed at \$8,000.

The Consumers Chemical Co., Philadelphia, has moved to Room 621, Drexel Building.

Heavy Chemical Notes

Caustic soda market for export is softer owing to the fact that better supplies are on hand and also the fact that export inquiry is lighter than it has been for some time.

With potash on the free list, a domestic producer has been heard to say that as far as his company is concerned, it would immediately attempt to convert its plant to other purposes. No chance for immediate or final profit is seen by this factor in the domestic potash industry.

It is believed that the reopening of the glass works in the near future is likely to bring about a temporary bull market in arsenic. The price of arsenic has held steady in spite of the fact that the heavy consuming season has been over for some time.

Meister, Lucius & Bruening of Hoechst-on-Main, has voted an increase of 470,000,000 marks, making a total capital stock of 940,000,000 marks. Other concerns in this group have similar increases in prospect. The directorate of the "Chemische Fabriken," formerly Weller-ter Meer in Uerdingen, has decided to increase its total stock from 33,000,000 to 64,000,000 marks.

Lead and zinc prices have been advanced \$7.00 per ton during the past two weeks on large demand and short stocks. Lead is now quoted at \$6.25 per cwt. in New York, and zinc at \$6.85 for common slabs New York. Copper rules slow but the tone is firm at 14c per pound. Tin is slightly higher at 32½c, a net gain of ½c in the past week.

Nitrate shipments through the Panama Canal during August totaled almost 100,000 tons and made up the heaviest month's traffic of this commodity since April, 1921. Of the August shipments, 1,900 tons were destined to Cuba, approximately 60,000 tons to the east coast of the United States and the remaining to the British Isles and Continental Europe. The nitrate shipments through the canal during the fiscal year ended June 30, 1922, aggregated 470,796 tons.

The National Lead Co. has acquired an interest in the Llallagua tin mines of Bolivia, the largest single tin producer in the world. The investment is understood to amount to about \$1,500,000. The purchase of shares was aided by the decline in the Chilean peso to less than 10 cents at the same time that the shares were quoted at less than normal on the Valparaiso exchange. The last available quotation was about 313½ Chilean pesos a share, equal at the present rate of exchange to about \$43-\$44 a share.

At the organization meeting of the new board of directors of the American Agricultural Chemical Co. the following were elected officers for the ensuing year: Chairman of the Board, Robert S. Bradley; for president, George B. Burton; vice-president and general counsel, Royall Victor; vice-president, Horace Bowker; vice-president, J. D. Cameron Bradley; treasurer, Arthur P. Stemm; secretary, James A. Starrett; assistant treasurer and assistant secretary, Albert W. Goeller; assistant treasurer and assistant secretary, Clarence P. Leggett; assistant secretary Walter G. Grahn; assistant secretary and assistant treasurer for Connecticut, Chas. B. Whittlesey.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, pages 818-820

SHARP UPWARD MOVEMENT IN PRICES

**Flood of Advances Not All Due to Tariff Passage—
Strychnine and Salicylates Higher—Wood Chemicals
and Mercurials Up Sharply—Camphor Scarce—Car-
bolic and Phosphoric Acids Higher—Thymol Down**

PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced

Acid Carbolic, aml. szs., 1c lb.	Cocaine Hydchl., \$1 oz.
Acid Citric, Amer., 5c lb.	Cream Tartar, Imp., 1/8c lb.
Imported, 8c lb.	Formaldehyde, 1c lb.
Acid Phosphoric, Syrupy, 2c lb.	Glycerin, C.P., 1/2c lb.
Acid Tartaric, Imp., 2c lb.	Hexamethylene, 12 1/2c lb.
Alcohol, Wood, 10c gal.	Iodine Tinct., 15c gal.
Antipyrine, 5c lb.	Mercurials, 5c@25c lb.
Camphor, Jap., ref., 6c lb.	Paraformaldehyde, 5c lb.
Rochelle Salt, Imp., 2c lb.	

Declined

Cod Liver Oil, Norg., \$1 bbl.	Papain, 10c lb.
Gelatin, Sil. Lbl., 5c lb.	Soap, Green, 1/2c lb.
	Thymol, 20c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$30	\$30	\$30	\$33	\$2.00	\$2.20
Acid Citric, Import .....	.50	.47	.44	.45	1.25	.45
Caffeine Alkaloid	3.75	3.75	3.75	5.00	18.00	3.65
Calomel, American	1.15	1.00	.94	.82	3.43	.90
Camphor, Jap., ref. ....	.89	.88	.83	.70	3.55	.41
Iodine, Resublimed	4.40	4.40	4.40	3.50	5.00	3.75
Menthol	6.25	6.15	6.25	4.30	13.50	3.00
Morphine Sulfate	5.35	5.25	5.35	4.80	12.80	4.50
Potassium Bromide, Cryst. ....	.23	.23	.23	.24	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.67	.90	.25
Sodium Salicylate .....	.36	.36	.36	.30	4.25	.27
Strychnine Sulfate .....	.76	.76	.76	1.35	2.05	.50
Average	2.03	2.01	2.01	1.86	5.92	1.56

Following closely on the heels of the signing of the Fordney-McCumber Tariff Bill by the President, a flood of sharp price advances was announced from both manufacturing and importing quarters. Contrary to general expectations a goodly portion of the price movement to higher levels was merely coincident with those advances which reflected higher tariff rates, and was caused primarily by scarcities and higher production costs. All wood chemicals were advanced, including wood alcohol, formaldehyde and hexamethylene. Mercurials were subject to a sharp advance, as quicksilver continues to rise. Carbolic acid is higher. Acids citric, phosphoric and tartaric are up. Cocaine was advanced. Cod liver oil is easier. Silver label gelatin is softer. Thymol went down under pressure.

Acid Benzoic—Firm with good demand. Prices stronger at 60c ranging to 75c lb. for U. S. P. as to make.

Acid Carbolic—Owing to the strong position of phenol, distributors of carbolic in small size containers have boosted prices to a basis of 31c for one pound bottles or cans. Drums 250 pounds are 22c, 112 pound drums are 23c, 25 pound tins are 24c, 5 pound tins are 26c, 5 pound bottles are 27c lb. Liquid U. S. P. is higher at 30c lb. in 1 pound bottles.

Acid Citric—Both American makers' and importers' prices moved to an inside of 50c lb. for crystals late last week on the strength of the 17c lb. tariff. Buying is limited and stocks are reported good. A 12c advance in the duty, however, will probably keep the price up to present levels if not higher. Market in Sicily is weak.

Acid Phosphoric—Makers have jacked up prices for 85 per cent syrupy acid to an inside of 17c lb. in demi-

johns, containers extra, on the strength of the tariff. Ten pound bottles inclusive are named at 26c lb. Syrupy 90 per cent basis 18c demijohns. Technical 50 per cent 8c lb. carboys.

Acid Salicylic—Some factors in salicylates have advanced prices to a basis of 32c lb. for U. S. P. acid. Sodium salicylate is up to 39c lb., methyl salicylate 44c lb. in cases, 42c drums. Acetylsalicylic holds at 85c. Up to Wednesday noon, two leading manufacturers had not made the advance, but admitted that they expected to before the close of business that day.

Acid Tartaric—Imported goods higher inside spot at 31c lb. U. S. P. crystals. American makers unchanged at recent advance to 32c lb. crystals barrels.

Alcohol—Denatured goods stronger and moving in better volume. Prices firmer at 32c gallon No. 6, 33c gallon No. 5 complete, basis barrels inclusive.

Alcohol, Wood—Owing to the elimination of certain factors from the producing field, and material reduction in available stocks, all methanol prices were advanced sharply. The new basis names 70c gallon for 95 per cent in barrels inclusive. Pure in drums 80c gallon extra. All derivatives higher.

Antipyrine—Spot goods held higher at \$2.05 lb. inside. Range to \$2.25.

Bismuth Salts—No change from advanced schedule announced in this report last week. Metal very strong and tending upward from \$2.44 lb.

Bromides—Situation upset by tariff. Potash and ammonium bromides spot named without offer 16c lb. Soda 17c. Potassium bromide for shipment 12c c. i. f. Duty 10c lb. and 15 per cent ad valorem, making a market basis of about 25c lb. Pre-war about 35c@40c lb. N. Y. American makers adhere to 22c. Soda bromide duty 10c lb.

Caffeine—Alkaloid held \$3.75 lb. by makers. Outside goods at \$3.50. Duty at \$1.50 specific, an advance of 50c. Caffeine compounds 25 per cent ad valorem.

Camphor—Prices up sharply to a basis of 89c lb. owing to the practical depletion of spot stocks of Japanese slabs. Goods for October arrival at 82c duty paid. New duty 6c lb. for refined as against 5c under the Underwood tariff. Tablets at \$1.00 per ounce. American refiners at 90c basis for bulk gum unchanged. Japanese camphor afloat due in week or so first new goods to arrive here.

Cocaine—Sellers of hydrochloride at \$6.00 ounce have come into line with the one \$7.00 seller. Smaller stocks of coca leaves and higher cost to import are held responsible.

Cod Liver Oil—Norwegian sold off to \$22.00 a barrel. Special brands to \$24.00 barrel. Demand good, but new offers are heavy. On the free list under new tariff.

Cream Tartar—Duty up to 5c lb. Spot prices up, now inside at 24 1/2c lb. spot U. S. P. imported goods. American makers 26 1/2c lb.

Emetine—Importers advanced hydrochloride to basis \$16.00 ounce. Range to \$17.00 for single ounce.

Formaldehyde—Two advances of 1/2c each during the week brought the spot price to 10 1/2c lb. inside for barrels. Stocks very scarce. Higher price reflection of

less competition, small stocks and advance in wood alcohol.

Gelatin—Slightly cheaper lots U. S. P. silver label on spot 85clb. cases, 93c less cases. Technical cases 60clb.

Glycerin—C. P. higher. Inside from refiners at 18clb. drums. Outside odd lots possibly 17½c. Cans 19½c.

Hexamethylene—U. S. P. advanced sharply owing to higher formaldehyde to 82½clb. by makers.

Iodine Tincture—Now inside on spot at \$4.25 gallon for U. S. P. in 50 gallon barrels.

Menthol—Up and down. Right now is up again at \$6.25lb. cases spot as against \$6.25, \$6.00, \$6.25, \$6.15 respectively for four weeks previously. Demand confined to small lots chiefly. Duty unchanged at 50clb.

Mercury—Metal named nominally early this week at \$70.00 flask spot. Leading importer said to have refused \$73.00 for a large lot. New duty \$18.75 flask as compared with \$6 formerly.

Mercurials—Sharp advance, double ordinary advance, made by makers owing to higher cost of quicksilver. New duty on mercurials 45 per cent ad valorem. New schedule follows for lots of 50 pounds or over; calomel, \$1.15; corrosive sublimate, 95c; red precipitate, \$1.28; white precipitate, \$1.39; mercury bisulfate, 76c; blue mass, 62c; mercury with chalk, 62c; citrine ointment, 50clb.; mercurial ointment 50 per cent, 80c; mercurial ointment, 30 per cent, 62clb. Mercury iodides up 25clb. Green and yellow, \$3.66lb. Red \$3.76lb.

Potassium Permanganate—Best spot 17clb. drums. New duty 4clb. and 15 per cent for three years. Shipment 12c c. i. f.

Quinine—One item which the tariff left untouched. Free under the Underwood schedule; free now. Spot imported goods 50c on a parity with American manufacturers. Steady demand.

Rochelle Salt—Price for imported up to 19c on new 5clb. duty. American makers at 21c unchanged.

Sodium Benzoate—Firm on spot at 57c@60clb. U. S. P. Benzoates dutiable 60 per cent and 7clb.

Strychnine—American manufacturers have advanced prices for strychnine alkaloid and salts, and now quote on the following basis: Alkaloid, crystals \$1.15, powder \$1.05; sulfate, crystals or powder, 84c; acetate, arsenate, arsenited, glycerophosphate, hydrobromide, hydrochloride, nitrate, phosphate, \$1.05; hypophosphite, \$1.15; saccharinate, \$2.15 ounce, all basis 100 ounce lots in 100 ounce cans. Usual advance for smaller lots and small containers.

Thymol—Price has dropped to \$3.90lb. spot cases on lack of demand and competition.

Fine Chemical Notes

The rise in mercurial prices late last week was one of the sharpest on record. Calomel went up 15clb., bichloride 14clb., red precipitate 18clb., white precipitate 15clb., and the mercury iodides 25clb. The tripled tariff rate on quicksilver left mercurial manufacturers no choice in the matter.

Importers of bromides under the new tariff seem to have about as much chance in the future as the proverbial wax cat. Ten cents a pound specific duty and 15 per cent extra on potassium bromide because its first name is "potash," means that the spot price will exceed the c. i. f. price by close to 100 per cent with present import costs.

DRUG & CHEMICAL SQUARE CLUB GROWING

A communication from the president of the Drug and Chemical Square Club, Thos. R. Freebody, of Louis K. Liggett Co., advises that members of the recently formed organization hail from twelve different States. The National League of Masonic Clubs, of which the Drug and Chemical Square Club is a member, has chapters in a great many industries and professions, whose membership totals over 600,000 master masons.

The objects of the organization are announced as strictly social, and its members say there is little of a serious nature in the conduct of its affairs. The officers are elected at the annual meeting in December and serve without remuneration. Dues are one dollar per year and the initiation fee is the same.

The Chemical Club expects to establish permanent headquarters as soon as conditions will allow and looks forward to the possession of a club house in the future. For the present meetings are held wherever the club can be accommodated conveniently. All applications for membership should be mailed to the secretary, Wm. B. Moore, 41 East 42nd street, New York.

HOW TO LABEL CEREAL BEVERAGES

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Set. 27.—The Prohibition Commissioner is sending out the following announcement to directors throughout the country calling attention to the labeling of cereal beverages:

"The attention of manufacturers of cereal beverages is called to T. D. 3084, approved October 26, 1920, requiring that each package or container of cereal beverage bear a label showing the name of the manufacturer, the special name of the beverage, and the location of the factory, together with a statement as to the alcoholic content; requiring the assent of the Commissioner of Internal Revenue for the substitution on such labels of the name and address of the distributor for those of the manufacturer where it is not desired to disclose the name of the latter; and prohibiting the use of certain words on such labels. Strict compliance with all the provisions of this Treasury Decision will be insisted upon."

The Monsanto Chemical Works has sent the following notice to the trade: "Due to traffic congestion at 209 North LaSalle street, making it next to impossible for us to take care of incoming and outgoing shipments, we will remove our Chicago office and stock rooms to the seventh floor of the Boyce building, northeast corner of Illinois and Dearborn streets. There will be no interruption to business, as our office at 209 North LaSalle street will be fully maintained until we are ready for business at new address and in a position to handle all business with dispatch from our new quarters."

Spanish quicksilver mines are just commencing to produce after their usual summer lay-off and are not offering metal for shipment before October. Italian mines have allowed stocks to get down low and cannot ship promptly. Stocks in London are also limited, comparatively little having passed into that market. Even though shipment could be made at once the chances are heavily against arrival before the \$18.75 duty goes on. The outlook appears, therefore, for a still higher market.

The Intermediate and Dye Market

Current Spot Quotations of Intermediates, pages 821-823

EFFECT OF TARIFF ON DYES SLIGHT

Firmer Undertone Noted Owing to Relief from Uncertainty—Manufacture of Synthetic Phenol in This Country Probable Under New Rates—Aniline Oil Scarce Due to Benzol Shortage

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Aniline Oil, 1c lb.

Declined

Paranitroaniline, 1c lb.

Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Benzene, C.P. gal.	\$.30	\$.30	\$.30	\$.27	\$ 1.10	\$.26
Naphthalene, flake lb.	.07	.07	.07	.08	.16	.08
Phenol lb.	.20	.20	.18	.09	1.60	.45
Xylene, 2 deg. gal.	.45	.45	.48	.60	..	..
Toluene, pure gal.	.30	.30	.30	.28	..	..
Aniline Oil lb.	.13	.14	.14	.20	1.40	.10½
Benzaldehyde lb.	.55	.55	.55	.45	..	..
Betanaphthol, dist. lb.	.22	.22	.22	.36	1.50	.08
Paranitroaniline lb.	.72	.73	.75	.85	1.85	.08
Average	0.329	0.331	0.328	0.353	1.25	.167

With the new tariff rates in effect, manufacturers are in a position to make plans for the future. Although there is a feeling that the new rates are not all that could be desired, still it is better than the nervousness and uncertainty of the past. The tariff has not as yet affected the market appreciably, but there is a firmer undertone and a little better inquiry has been noted. The situation in crudes is unchanged. Benzol is still scarce but it is expected that in two or three weeks the situation will have cleared up considerably. Aniline oil has become scarce due to the benzol shortage and makers have advanced prices. The arrival of a shipment of phenol before the tariff may relieve the shortage in some quarters temporarily. A few odd lots are found now and then by dealers and the prices are near recent quotations. The manufacture of synthetic phenol will probably soon be under way as it can now be made profitably under the present tariff rates. There have been no changes of importance among the intermediates, but strength in some items is apparent.

Coal Tar Crudes

Anthracene—Little activity has been noted for some time. Makers' prices for 40-45 per cent are quoted at 12c@17c at works. 80-85 per cent is held at 75c@1.00.

Benzene—Manufacturers are still unable to meet the demand for immediate delivery and are sold ahead. With the resumption of the coking operations the situation is expected to clear in few weeks. Makers still quote 27c@32c for 90 per cent and C. P. at 30c@35c as to quantity.

Naphthalene—There has been no recent movement in this line and supplies are plentiful. Flake is quoted at 7c in carlots at works and balls at 8c. Flake at 6¼c@6¾c and balls at 7½c are offered in quantity lots by outside sellers New York.

Phenol—Natural phenol is still quoted at 20c by the sole maker. Aside from a few odd lots there is none to be had in the open market. One factor received a

shipment but prices are not quoted as yet. There is a strong inquiry for phenol and prices generally named by holders of small lots are 21c@22c.

Toluene—The position is similar to that of benzol. Stocks are still scarce but with resumption of mining and steel operation stocks will soon be replenished. Makers' prices are quoted at 30c for tank car lots and 35c in drums at works.

Intermediates

Acid, Anthranilic—No special activity is being shown and demand is confined to routine lines. Makers name \$1.10@\$1.15 for technical as to quantity and refined at \$1.30@\$1.35.

Acid, Benzoic—Makers continue to quote technical at 50c@55c and U. S. P. at 60c@65c. The market has been quiet but a better movement is expected.

Acid, Cleves—No new features have been noted in this market which has been devoid of activity. Prices are quoted at \$1.50@\$1.55 per pound in barrels.

Acid, Gamma—Movement has been confined to small lots and demand quiet. Ton lots at works are quoted at \$1.80 and in barrels at \$1.85.

Acid, H—The market is assuming a stronger tone and makers' prices are beginning to stiffen. Demand for this product has been improving steadily. Prices named by maker are 75c@80c as to quantity at works.

Acid, Naphthionic—Supplies continue plentiful with demand improving slowly. Technical is named at 60c@62c in barrels and refined at 65c.

Acid, Salicylic—Demand has been good and prices remain firm at recent advance. Makers are quoting technical at 26c@27c in barrels and U. S. P. is held at 29c per pound in 100 pound barrels.

Acid, Sulfanilic—Excess of supplies has weakened this market considerably and buyers can now do 17c@19c per pound.

Alpha-naphthylamine—Increased interest has been noted but buying has been only in small quantities. Makers' prices are held at 30c@32c as to quantity in barrels.

Aniline Oil—Shortage of benzol supplies has caused a reduction in aniline production. Makers have advanced their prices 1c per pound. Carlots are quoted at 15c and 10 drum lots at 15¼c. Drums lots are named at 16c.

Aniline Salt—Makers are having no trouble in satisfying buyers at 20c per pound. Demand is understood to have improved somewhat.

Benzidine—The volume of business is expected to increase in the near future. Demand has been along steady lines. Makers' prices are named at 80c@85c for base as to quantity. Sulfate is quiet at 70c@72c.

Dimethylaniline—There has been no change in price but with a good demand and advance in price of aniline an increase may be looked for. Carlots are quoted at 30c and in less than carlots 32c@34c.

Diphenylamine—Demand is along routine lines. Makers' price is named at 54c@55c as to quantity.

Diaminophenol—Makers' prices are still quoted at \$3.75 per pound. Demand is along steady lines.

Dianisidine—Little improvement in demand with prices named at \$4.50@4.60 per pound.

Meta-phenylenediamine—Prices are quoted at 90c@1.00. Demand continues moderate and usually in small quantities.

Nitrobenzol—Makers name 8½c in carlots and in 5 drum lots 9c. Single drums are quoted at 9½c. Redistilled is named at 9c@10c.

Ortho-nitrophenol—Makers are now quoting 75c@80c in the face of higher costs. Demand has been increasing.

Ortho-toluidine—No change has been noted, and movement is fair. Prices are quoted at 16c@20c.

Para-amidophenol—Demand is still confined to routine orders. Makers name \$1.10@\$1.25 as to quality and quantity. Hydrochloride is named at \$1.20@\$1.25 and photographic at \$1.50@\$1.65.

Para-nitroaniline—Buying has eased off and prices are named somewhat lower. Carlots are quoted at 72c@75c in barrels.

Paratoluidine—Prices are quoted at 95c@\$1.10 as to quantity and seller.

R-salt—Demand continues routine with prices named at 55c@65c as to quantity.

Dyestuff Notes

The Department of Commerce, Bureau of Census, Washington, has prepared the fourteenth census of the United States manufactures, 1919, on Natural Dyestuffs and Extracts.

Prices on aniline dyes, according to an announcement from Germany, have been doubled for all products without exception.

The Dye and Chemical Control Section of the Customs Service went out of existence on midnight, Sept. 21, in accordance with the provisions of the new tariff law. F. S. Dixon, former chief of the section, and his assistants are remaining on the job for a few days to clear up the work that is on hand.

A fast pink dye, known as Pontamine Fast Pink G, has been developed by E. I. du Pont de Nemours & Co. It is used principally as a self color and is suitable for dyeing cotton goods, artificial silks and paper. This color was imported in fairly large quantities before the war and has since been brought in from abroad under license.

Manufacturers of cotton goods, particularly producers of colored merchandise, are anticipating further advances in the prices of their output, because of the increased duties on dyestuffs contained in the tariff bill. It is reported that selling agents for mills received word that an advance of \$1 per pound for dyes had already gone into effect.

The Board of United States General Appraisers have decided that imported color cards, consisting of paper folders to which are attached small pieces of narrow silk fabric of various colors, are properly dutiable at the rate of 45 per cent ad valorem as manufactures of silk under paragraph 318 of the tariff act of 1923. This decision overrules a contention of the "Millinery Trade Review for 15 per cent ad valorem under paragraph 329, as printed matter.

LOGWOOD EXTRACT SOLD ABROAD IN JULY (Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 27.—The exports of logwood extract during July included shipments of 56,224 pounds valued at \$11,243, to France; 27,000 pounds valued at \$5,583, to Ontario; 33,234 pounds valued at \$2,682, to England; and 20,662 pounds valued at \$2,982, to Canada. Exports of other dye extracts were 71,470 pounds valued at \$8,208, to England; 46,163 pounds valued at \$5,583, to Ontario; 33,234 pounds valued at \$3,000, to Scotland; 17,853 pounds valued at \$2,678, to Italy. Exports of colors follow:

Countries	lbs.	\$
Belgium	4,051	6,245
France	1,860	1,726
Spain	1,750	1,580
England	2,857	698
Canada—		
Maritime Provinces	18,588	4,244
Quebec and Ontario	160,475	104,962
Yukon	1,931	2,886
Mexico	34,036	14,116
Cuba	1,915	2,158
Argentina	18,235	9,999

HERTY FEARS DYE MONOPOLY

Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers' Association, who returned from Washington, after the tariff bill became law, said it was ironical that the opponents of the measure in the Senate who were foremost in making charges of a monopoly in the dye industry in this country, have been instrumental, through the enactment of the Fordney tariff, in placing the large manufacturers of dyestuffs in the country in a stronger position and the smaller producers in such a weak strategic place that a monopoly looms as a greater possibility than ever.

It is in the inequality of the protection afforded by the new tariff that the danger of a monopoly lies, Dr. Herty said. On colors made in bulk in this country, such as sulfur black and synthetic indigo, which colors are manufactured largely by the bigger companies with large capitalization, the protection afforded by the new tariff is ample, he said. As an instance, he cited one color which sells for 20 cents a pound. The duty on this color would be 19 cents or about 95 per cent. On the other hand, specialties—vat colors—which sell for 75 or 80 cents a pound and which are manufactured by the smaller producers under the same rate of duty, receive inadequate protection, he contended.

NO DECISION ON DYES AT PRESENT

Herman A. Metz received a shipment of dyes by a steamer that arrived after the new tariff went into effect. He said: "The duty on this shipment will amount to about \$10,000, where, under the old bill, it would not have been over \$3,000. I wonder how the consumer is going to like that?"

According to officials of the Textile Alliance, Inc., who also received a large shipment of dyes, the Customs Office has refused to enter any colors until a ruling can be obtained from the Secretary of the Treasury, as no one is in a position to pass upon the status of the colors. Col. Metz said that his concern would proceed on the assumption that as the colors ordered by his customers had been licensed by the Treasury Department under the Emergency Tariff, with the limited embargo provision, these colors were not being produced in this country at this time and therefore were dutiable under foreign valuation.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 831

TARIFF FORCES UP IMPORTED LINSEED

Domestic Oil Unchanged—Chinawood Oil Firm at Recent Prices—Corn Oil Lower on Slow Demand—Menhaden and Bleached Sperm Oils Decline

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advances	
Lard Oil, ½c lb.	Linseed Oil, Imp., 3c gal.
Declined	
Crude Corn Oil, 1c lb.	Crude Soya Bean Oil, ½c gal.
Crude Menhaden Oil, 3c gal.	Sperm Oil, 5c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$.54	\$.54	\$.54	\$.44	\$ 1.27	\$.36½
Degras, American, bbl...lb.	.04	.04	.04	.05	.25	.03½
Lard, No. 1.....gal.	.75	.75	.73	.65	2.90	.92
Menhaden, crd. bbls....gal.	.38	.40	.45	.30	1.20	.35
Neatsfoot, 20 deg. c.t.gal.	1.35	1.35	1.35	1.00	3.45	.96
Red Oil, distilled.....lb.	.08½	.08½	.08½	.06¾	.17	.07
Stearic Acid, T.P.....lb.	.10½	.10½	.10½	.10½	.33	.12
Coconut, Ceylon						
Dom., bbls.....lb.	.08½	.08¾	.08¾	.10	.20	.14
Cottonseed, crude, tanks.lb.	.07½	.07	.07¾	.05½	.25	.08
Linseed, carlots.....gal.	.88	.88	.88	.74	1.88	.57
Olive, denatured.....gal.	1.15	1.15	1.12	1.45	4.50	1.05
Peanut, refined.....lb.	.12½	.12½	.13¼	.10	.30	.08
Soya Bean, bbls.....lb.	.12½	.12½	.12½	.07¾	.19½	.07

Average 0.438 0.439 0.438 0.380 1.30 0.362

Tariff changes have not affected the market as yet to any great extent, though there is an unsettled feeling pending readjustments. The higher duty of 24½c per gallon on imported linseed oil has sent the price upward. Domestic linseed oil is unchanged, however, and the market has been quiet. Chinawood oil remains firm at recent levels. Coconut oil remains easy. Corn oil has declined due to slow demand. Active trading is being manifested in cottonseed oil and the prices have been tending upward. Olive oil continues firm at the recent higher quotations. Foreign linseed has remained steady without much change. Soya bean oil has eased off a few points. Menhaden was declined owing to better yields in oil. Bleached sperm has also declined. Herring oil is off the market as there is none to be had. Turpentine advanced to a higher level and remains firm in its present position. Rosin prices advanced during the week.

Vegetable Oil

Castor Oil—Demand has been steady and prices remain firm. No. 1 in barrels is quoted at 13c and No. 3 at 12c@12½c.

Chinawood Oil—Prices remain firm in the face of good buying. Spot oil is quoted at 12¾c@13c. In sellers tanks at coast at 12¼c@12¾c and shipments from Orient at 12½c@13c c. i. f. New York in barrels.

Coconut Oil—Stocks are still plentiful and prices are easy. Ceylon in barrels New York is held at 8½c@8¾c, and in tanks at 6¾c@7c. Cochin in barrels is quoted at 9¼c@9½c and in tanks at 8½c@8¾c New York Manila at coast in tanks at 6c@6¼c. Edible in barrels New York at 10c@10½c.

Corn Oil—Crude in tanks at mills declined and is now quoted at 7c@7¼c. In barrels at mills at 9¼c

@9¾c and at New York at 10½c@10¾c. Refined in barrels New York quoted at 12¼c@12½c.

Cottonseed Oil—Active trading has characterized the market and the prices have been going up. Prime summer yellow opened at 9¾c for September and 8¾c for April, Southeast is bid at 7c, Valley, 6½c and Texas at 6½c.

Linseed Oil—Buying has been quiet with prices holding steady for spot oil at 88c cooperage basis. Smaller quantities are named at 81c@93c. The new duty of 3.3c per pound on imported oil has caused higher quotations. Spot imported is now held at 86c@88c. London prices for linseed oil are slightly higher at 37s per quintal. Antwerp held steady at 210 francs per 100 kilos. Flaxseed prices suffered little change. Duluth cash seed opened at \$2.30 for September, \$2.28 for October, November \$2.26 and December at \$2.18. Winnipeg is slightly higher at \$1.97 for October and \$1.86 for May. Buenos Aires is easing after a rise to \$1.72½. IN. W. October \$2.01 bid and December at \$1.80.

Olive Oil—Tariff rates have not as yet affected prices which have been firm at \$1.15@1.18 for denatured in barrels New York. Edible in barrels is held at \$1.80 @ \$2.10. Foots are firm and named at 9c@9½c in barrels New York.

Peanut Oil—Stocks are none too plentiful with demand improving. The high tariff rate of 4c per pound will exclude foreign oil. Refined in barrels is quoted at 12½c@13c New York. Crude in buyers tanks at mills at 8½c@8¾c. In barrels New York 12c.

Palm Oil—No change has occurred though market is firm and demand fair. Niger is quoted at 6½c@6¾c and Lagos at 7½c@8c. Bonny old Calabar at 6¾c@7c.

Perilla Oil—Demand has been improving steadily and the market has assumed a strong tone. Quotations in barrels New York at 13½c@14c. Shipments c. i. f. New York in barrels at 13c@13½c and in cases at 12¼c@12½c.

Rapeseed Oil—Market has been without change. The new tariff rate 6c per gallon. Prices are still quoted at 80c@83c for refined in barrels New York. Blown named at 92c@95c.

Soya Bean Oil—Crude in barrels named slightly lower at 10½c@11c. The new duty fixed at 2½c per pound has had a depressing effect. American pressed crude in barrels quoted at 11c@11¼c and refined at 12½c@12¾c. Bulk shipments c. i. f. New York in bond named at 5.8c and at the coast at 5.3c. Coast crude in tanks at 10c@10½c.

Animal Oils

Lard Oil—Firm on lard advance and new tariff rates. Prime technical in barrels named 11c@11¼c and prime edible at 14½c. No. 1 in barrels named at 10½c and No. 2 at 10c. Extra No. 1 at 11½c.

Neatsfoot Oil—Market has been quiet without any change in the prevailing prices. 20° cold test in barrels New York at 18c@20c per pound. 30° is held at 14¼c. Pure in barrels at 12¾c.

Oleo Oil—Market has been showing signs of weakening. No. 1 is easier at 11½c and No. 2 at 10½c. No. 3 is quoted at 10c.

Tallow Oil—Demand has been slow and market has been featureless. Acidless in tanks at New York at 10½c in carlots of barrels at 10¼c.

Fish Oils

Cod Oil—Little interest has been shown aside from the new duty of 5c per gallon. Newfoundland in barrels New York named at 54c@58c. In tanks New York at 53c@55c.

Menhaden Oil—Crude in tanks at works named at lower figure. New tariff rate is fixed at 5c per gallon. Crude in barrels at works held at 39c@40c and in tanks at 37c@38c. Light strained in barrels quoted at 54c and in tanks at 60c. Yellow bleached at 62c and extra bleached at 65c New York. Blown is offered at 80c.

Herring Oil—No oil is to be had and no prices being quoted.

Sperm Oil—38° cold test bleached in barrels New York named lower \$1.30 per gallon. 45° also lower at \$1.26.

Naval Stores

Turpentine—The advance of last week continued to \$1.34 and then held steady. Savannah also advanced 2c and is firm at \$1.27. London prices advanced slightly from 101s to 101s 6d per quintal.

Rosin—Prices have been unsteady and after declining last week, advanced again for the lower grades. Better grades held steady. B-I \$6.75, K \$6.80 M,N \$6.85, WG \$7.50, and WW at \$8.00.

Oil Trade Notes

The Procter & Gamble Co. has declared the regular quarterly dividend of 2 per cent on the 8 per cent preferred stock, payable Oct. 14 to record Sept. 23.

The acid warehouse of the American Cotton Oil Co., Hilton, N. C., was destroyed by fire of unknown origin last week, entailing a loss of approximately \$25,000, covered by insurance.

Anthony Will, president of the Will & Baumer Co., Inc., candle makers, Syracuse, N. Y., died of heart trouble while playing golf on the links of the Onondaga Golf and Country Club Sept. 17, Sunday. He was fifty-eight years old.

M. A. Richards, president of the National Oil Products Co., Harrison, N. J., will sail for Newfoundland on Saturday, Oct. 30, on the steamer Sylvia. Mr. Richards will visit the National Oil Products Co.'s cod oil refinery, located there. He will be gone about five weeks.

Cod oil, in less than tank lots, is quoted at two different prices. The 54c per gallon price is an ex-dock figure, and the oil must be accepted in its original container. The terms are sight draft and the material is quoted for arrival. For oil in 50 gallon barrels, delivered in the metropolitan district, sold on an extended credit basis, from 58c to 60c is being done, according to quantity. Sellers wish to make it clear that the 54c figure has several strings attached to it.

Aside from appropriating \$3,000,000 for improvements and betterments to the Edgewater, N. J., Pekin and Argo, Ill., plants, the directors of the Corn Products Refining Co. are planning to expend considerable funds in the enlargement of the foreign plants of the company. Officials of the company say that earnings the present quarter should more than take care of the \$1.50 a share dividend on the common stock, but will not equal the \$3.36 shown in the three months ended June 30.

U. S. TRADE IN OILS WITH HONGKONG

Exports of cassia oil from Hongkong totaled 285,200 pounds in 1921, valued at £39,382, compared with 274,400 pounds, valued at £87,019, in 1920. Of the total in 1921 the United States took 87,067 pounds, valued at £13,329, compared with 133,064 pounds, worth £50,069, in 1920; and Japan took 108,533 pounds, worth £13,189, compared with 75,864 pounds, valued at £17,839, in 1920, according to Consul General William H. Gale of Hongkong.

There was a large drop in the value of the exports of peanut oil from Hongkong in 1921, and the United States took but a comparatively small share. Exports in 1920 were 20,247,332 pounds, valued at £791,304, and in 1921 they were only 22,987,333 pounds, valued at £384,906. Of the 1921 total, the United States took 1,564,400 pounds, valued at £33,204, compared with 6,132,800 pounds, worth £291,236, in 1920. The principal buyer was the Straits Settlements.

There was also a heavy decrease in the 1921 exports of wood oil, especially to the United States. Exports in 1920 were 10,079,332 pounds, valued at £486,148, while in 1921 they were only 5,410,667 pounds, valued at £106,997. The United States in 1920 took 6,978,932 pounds, worth £379,643, and in 1921 took 2,187,867 pounds, worth £46,044.

The United States practically dropped out of the Hongkong peanut market in 1921. Total exports of peanuts from Hongkong in 1920 were 46,774,264 pounds, valued at £766,402; and in 1921 they were 44,290,000 pounds, valued at £354,187. In 1920 the United States took 7,752,932 pounds, worth £206,794, and in 1921 only 143,200 pounds, valued at £1,991.

PRICES THAT BRING SALES

Selling at market prices does not necessarily bring in a profitable volume, says Elmer R. Murphy, president of James H. Rhodes & Co., manufacturers of abrasives, polishing materials and sponges, in an article in "System" for October. "To get right down to the facts, price is what moves merchandise—whether you are selling shoes or automobiles. By price I mean good value. A low price is obviously not a good price if it does not purchase a good quality. That can be taken for granted. For a long while, now, we have been hearing a deal of speculation about what will be the eventual price-level. Practically everyone has been agreed that, for many years to come, prices would not reach the pre-war level. Not a few business men held—and seriously—back in the days when prices had reached levels far beyond the experience of living managers, that we were on that high level for good and all. When prices began dropping, business men still believed that a level would prevail much higher than before 1914.

"We began to notice that practically every company in this country which has been doing outstandingly well while its competitors were shut down or operating at a fraction of capacity has been selling at a price far below what competition regarded as 'the market.' These concerns have ignored the theoretical price-level, by simply figuring out how much they had to sell to cut their costs to a figure at which customers would buy freely; then they have gone ahead, cutting their prices and their costs. In almost all lines can be found these representative concerns which have been increasing their volumes and their profits while the bulk of their competitors stood still or slipped—anyone can name half a dozen of them."

The Crude Drug Market

Current Spot Quotations of Crude Drugs, pages 833-835

NUMEROUS REVISIONS IN CRUDE DRUGS

Tariff Has Little Broad Effect as Basic Changes in Botanical Schedules Are Few—Agar Agar, Dandelion, Henna Powder, Saffron Higher—Ergot, Buchu, Cubeb Berries, Calamus, Cantharides Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Agar Agar, 7c lb.	Gambier Cubes, 3c lb.
Boneset Herb, 2c lb.	Henna Powd., 2c lb.
Blackhaw Bark, 2c lb.	Jalap Rt., 1c lb.
Burdock Rt., 3c lb.	Opium, 75c lb.
Cardamom Seed, 11c lb.	Pink Root, 25c lb.
Condurango Bk., 1c lb.	Sabadilla Seed, 1c lb.
Culvers Rt., 2c lb.	Saffron, Span., \$2 lb.
Damiana Lvs., 1/5c lb.	Snake Rt., Strip., 3c lb.
Dandelion Rt., 1c lb.	Tamarinds, 1c lb.
Dragons Bld Reeds, 5c lb.	Wormseed, Levant, 10c lb.

Declined

Alkanet Root, 2c lb.	Cubeb Berries, 5c lb.
Aloea Curacao, 1/5c lb.	Ergot, Span., 3c lb.
Althea Rt., Cut, 1c lb.	Insect Powd. 50%, 2c lb.
Asafetida Lump, 2c lb.	Ipecac, Powd., 5c lb.
Buchu Lvs., 5c lb.	Licorice, Rt. Bndls., 1/5c lb.
Calamus Rt., Bldh., 5c lb.	Mullein Flrs., 10c lb.
Calendula Petals, 10c lb.	Quassia Chips, 1/5c lb.
Cantharides, Russ. Pd., 2c lb.	Turpentine, Venice, 2c lb.
Sarsaparilla Rt., Mex., 2 1/2c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$.23	\$.23	\$.23	\$.22	\$.90	\$.12
Buchu Leaves, Short	.90	.95	1.00	.85	4.00	.85
Cantharides, Russian	3.50	3.50	3.60	1.85	9.00	2.10
Cocculus Indicus	.03 1/4	.03 1/4	.04	.07 1/2	.85	.03
Ergot, Spanish	.70	.73	.90	1.30	4.50	.54
Insect Powder, pure	.52	.52	.52	.36	1.00	.28
Ipecac, Cartagena, pwd.	1.75	1.80	1.80	1.65	4.50	1.35
Nux Vomica	.07	.07	.07	.11	1.40	.07
Opium, gum	6.75	6.25	6.25	5.75	30.00	5.00
Rhubarb Root, H. D.	.48	.48	.35	.23	1.75	.15
Tragacanth, No. 1, ribbon	1.75	1.75	1.75	3.50	6.00	1.50
Wild Cherry Bk., thin nat.	.09	.09	.09	.09	.21	.07
Average	1.40	1.38	1.38	1.33	5.28	1.00

Some slight improvement in the volume of crude drug buying was noted this week. The effect of the tariff except in a few instances, was of a minor nature among the botanicals. Crude drugs are on the free list with milled goods at 10 per cent ad valorem. Exceptions include henbane, stramonium and digitalis at 25 per cent, and others such as licorice, gentian, dandelion, sarsaparilla roots at varying rates of 1/4c to 1c a pound. Ergot and buchu are unchanged at 10c pound duty. Cardamom seed is held at 10c pound. Lupulin is subject to 75c pound duty.

Of the important price revisions this week, agar agar, dandelion root, powdered henna, opium, pink root, Canada snake root, blackhaw bark, cardamom seed, culvers root, jalap root, Levant wormseed and tamarinds are higher. Cut althea, buchu leaves, ergot, calendula petals, Mexican sarsaparilla root, quassia chips, cubeb berries, lump asafetida, alkanet root, bleached calamus root, powdered Russian cantharides and mullein flowers are lower.

Crude Drugs

Agar Agar—Scarce on spot. Good No. 1 inside at \$1.45lb. spot. No. 2 and 3 at \$1.25@\$1.40lb.

Alkanet Root—Prices have eased off on spot to 8clb.

Aloea—Curacao easier at 6c spot cases. Cape cases 7 1/2c@8clb.

Althea Root—Cut good quality at 12c@13clb. spot.

Aniseed—A lot of spot Spanish offered slightly easier at 18clb. Star at 13 1/2c unchanged.

Arabic Gum—Steady spot at 15 1/4c@15 1/2clb. amber sorts.

Areca Nuts—Whole easier 9clb. spot. Powder 12c.

Arnica Flowers—Quiet and dull at 8 1/2clb. spot bales.

Arnica Root—Little or nothing to be had spot. Nominal 50clb.

Asafetida—Lump selling at 38c@40clb. spot cases as to seller. Powder unchanged 60c.

Boneset Herb—Higher here at 11c@12clb.

Blackhaw Bark—Spot stocks scarce and holders name 30c@31clb. Asking 27c f. o. b. country for small lots only.

Buchu Leaves—Sales and offers of spot bales at 90clb. this week. Less bale lots at 93c and 95clb. Consumer interest dull. Duty unchanged at 10clb.

Burdock Root—Spot burdock is held sharply higher on spot at 16c@17clb.

Calamus Root—Bleached root lower at 40clb. Ordinary 10c.

Cantharides—Powdered Russian lower at \$3.75lb. Whole at \$3.50. Chinese firmer at \$1.10 whole, \$1.25lb. powder spot.

Cardamom Seed—The 10clb. duty forced prices up. Decorticated sold early this week at 63clb. inside ranging to 65c. Bleached at 80c@\$1.10.

Chamomile Flowers—Reports vary. Prices spot at 26c@28clb. Hungarian cases as to seller. Indicated slightly easier.

Cloves—Offers spot Zanzibar cloves slightly easier at 35c bales.

Coca Leaves—Carry duty of 10clb. May account for \$1 oz. boost in cocaine last week.

Condurango Bark—Reported now best at 8clb. spot.

Cubeb Berries—Continue to soften. Ordinary spot lower at 80clb. XX at 90c. Powder 90clb. Demand slow.

Culvers Root—None on spot and little offered for shipment. Nominal at 20clb. here.

Damiana Leaves—Firmer spot at 10c@10 1/2clb.

Dandelion Root—Duty of 1 1/2clb. in agricultural section bill. Attempts to buy up large lots on spot boost price to 8 1/2clb. inside.

Dragons Blood Reeds—Firmer and inside at 80clb. for good quality thin reeds spot.

Elm Bark—Quiet and dull at 27c@28clb. for bundles. Powdered 13c@14clb.

Ergot—Continues to ease under weight of new goods. Spot price now 70clb. with demand light.

Gambier—Cubes reported about cleaned out here with small lots only held at 9 3/4clb.

Henna—Powdered henna is firmer and held inside at 24clb. Little or no whole available.

Insect Powder—Pure unchanged and quiet at 51c @52clb. bbls. Half stems easier at 31c@33clb.

Ipecac Root—Powdered slightly easier spot \$1.75lb.

Whole not in heavy supply at \$1.60 for either Rio or Cartagena.

Jalap Root—Whole firmer at 20clb. U. S. P. powder 23c@25clb.

Licorice Root—Large bundles easier 18½clb. spot. Baby bundles firm at 30c. Powder 9c and quiet.

Mullein Flowers—Offered cheaper spot tins at 55clb.

Nux Vomica—Quiet and unchanged at 7c@8clb. spot buttons. Powder in light demand at 10½clb.

Olibanum—Tears easier 14½clb. Sorts unchanged 10clb.

Opium—Tightening on spot as result of Near East situation. Importers have raised prices this week to \$6.75lb. for gum, and to \$7.75 for U. S. P. powder and granular.

Pink Root—True pink root is very scarce and price is sharply higher at 95clb.

Quassia Chips—Held spot at 7½c@8clb. Slightly easier.

Rhubarb Root—Continues soft with demand quiet. Whole cases at 48c@50clb. Powder at 55c@58clb.

Sabadilla Seed—Reported higher on spot at 12clb. for whole.

Saffron—Spanish is now inside at \$30.00lb. 1 pound tins spot. Little or nothing available here. American inside at \$1.45lb.

Sarsaparilla—Another drop in price of Mexican sarsaparilla root brings spot level to 30clb. Soft and dull.

Snake Root—Stripped Canada root is scarce and firmer at 48c@50clb. spot.

Squaw Vine—Inquiry from consumer found little and price higher at 16c@17clb. spot. Country stocks small.

Tamarinds—Higher spot bbls. at 4clb.

Tolu Balsam—Now named at 65c@70clb. spot, for clean goods.

Tragacanth—No. 1 white ribbons tend to firmer levels. One holder inside at \$1.85lb. spot. Goods at \$1.80.

Turpentine—True Venice turpentine cheaper at 28c@30clb.

Valerian Root—One lot at 12clb. Others at 13c@14clb.

Wormseed—Levant is practically in hands of one holder who asks \$3.00lb. One and two pound lots at \$3.50.

The Federal Wholesale Drug Association, which is composed of co-operative wholesale concerns in a number of states, will hold its annual meeting October 17, 18 and 19 at the Hotel Statler, Buffalo, when the situation with regard to the working of the co-operatives will be discussed. The relations of the co-operatives to their stockholder-customers, who are the retail druggists, and the relations to the sources of supply, the manufacturers, will be considered. R. E. Lee Williamson, William E. Brown, J. Fuller Frames, H. G. Wendel, R. G. Morrison, Charles L. Meyer and C. H. Knight will be in the delegation.

The Lewis Drug Co., Oklahoma City, Okla., has begun business in wholesale drugs and sundries. The company is an outgrowth of the Lewis Pharmacy of Oklahoma City, which covers the retail trade. R. G. Lewis is president of the wholesale company which is located at 130 W. California street.

TO ENTERTAIN WHOLESALE DRUGGISTS

The Chicago Drug and Chemical Association is preparing to entertain Eastern delegates to the National Wholesale Druggists Association convention passing through Chicago on Friday, Sept. 29, on their way to the convention of the wholesale druggists at Colorado Springs, on Oct. 2 to 5. A special meeting will be held at the Elks Club and all delegates are invited to join the members of the Chicago Drug and Chemical Association at their meeting. E. L. Drach is secretary.

At Colorado Springs on Tuesday Oct. 3, about 2.30 in the afternoon, Alvin E. Dodd, of the Chamber of Commerce of the United States, will address the association on the subject of "Distribution Problems of Today." Mr. Dodd is manager of the domestic distribution department of the Chamber of Commerce of the United States and through his position at Washington is in intimate contact with all phases of this vital economic question.

Kansas City delegates have made 140 reservations for a special train over the Santa Fe Railroad, and will arrive at Colorado Springs on Sunday Oct. 1.

The opening session of the convention will be devoted to reports of officers and committees. The president's reception will be held Monday evening Oct. 2. The joint meeting of the Senior Council and Board of Control will be held immediately after the reception. Committee reports will occupy a part of Tuesday's sessions. The Committee on Legislation will report on Wednesday. The report of the Committee on the President's Address will be heard on Thursday. The banquet will be held Friday evening, Oct. 5.

Crude Drug Notes

A feature of the market report sent out by John Clarke & Co., New York spice brokers, was a comparative list of new and old tariff rates on spices, seeds and the like, arranged in the form of a table.

Java cinchona pays handsome dividends. The Kina Maatschaap 'Tjikembang' is paying 54 per cent on its preferred stock and 41 per cent on the common issue. Another company is reported to have paid 55 per cent at the end of 1921.

Cinnamon merchants in Ceylon are auctioning off this year's crop at a common market in Colombo, according to a report. Producers believe this will tend to establish a better market and will eliminate the middleman who is making a living at the expense of both buyers and sellers.

Buchu leaves and ergot are still held at 10c per pound without change in the new tariff. Coca leaves are also 10clb. Licorice root is ¼c lb., gentian ¼clb., sarsaparilla 1clb., and dandelion 1½clb., the latter under "agricultural products." And then somebody capped the climax by putting 10c a pound on cardamom seed.

MacAndrews & Forbes, New York importers of licorice root, report that their representatives in Smyrna were out of the district before the Turks fell upon the city. They have been unable to determine whether or not their licorice stocks in that city were destroyed as practically all communication has been cut off. A representative of the company stated, however, that spot stocks were in good enough conditions to avert a serious shortage.

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 838, Aromatic Chemicals, page 839

TARIFF PASSAGE DROPS PRICES

All Essential Oils on Free List Cheaper as New Bill Goes Into Effect—Oils Almond, Anise, Bergamot, Cassia, Citronella, Geranium, Lemongrass Affected—Peppermint Continues To Decline—Lemon Soft as Foreign Market Weakens—Spearment and Cedar Leaf Down—Musk Firmer

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Lemon, Amer., 5c lb.	Musk, Ambrette, \$2.00 lb.
Oil Orange, Sweet W. I., 5c lb.	Xylene, 75c lb.
Declined	
Oil Almond, sweet, 4½c lb.	Oil Lavender, spike, 10c lb.
Oil Anise, 5c lb.	Oil Lemon, Sicilian, 5c lb.
Oil Bergamot, 45c lb.	Oil Lemongrass, 5c lb.
Oil Bois de Rose, 25c lb.	Oil Peppermint, 10c lb.
Oil Cananga, 25c lb.	Oil Petit Grain, 10c lb.
Oil Cassia, 15c lb.	Oil Rose, French, \$1.00 oz.
Oil Cedar Leaf, 5c lb.	Bulgarian, 30c oz.
Oil Cedar Wood, 1c lb.	Oil Spearmint, 25c lb.
Oil Citronella, Ceylon, 7c lb.	Oil Tansy, 50c lb.
Java, 9c lb.	Oil Thyme, red, 10c lb.
Oil Cloves, 15c lb.	White, 15c lb.
Oil Geranium, African, \$1.25 lb.	Oil Ylang Ylang, Bour., \$1.00 lb.
Bourbon, \$1.00 lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$3.15	\$3.60	\$3.60	\$5.50	\$7.00	\$5.00
Oil Citronella, Ceylon	52½	60	75	83	92	60
Oil Cloves	2.15	2.30	2.00	1.90	3.70	1.40
Oil Lemon	.65	.70	.65	.75	1.70	2.00
Oil Peppermint, Nat.	2.90	3.10	3.40	1.90	9.00	2.25
Oil Sassafras, E. I.	6.75	6.75	6.75	6.50	13.50	5.25
Oil Sassafras, Arrif.	.42	.42	.42	.53	1.00	.26
Benzaldehyde, U.S.P.	1.40	1.40	1.40	1.50	5.15	1.50
Coumarin	3.50	3.50	3.50	4.50	31.00	3.10
Methyl Salicylate, Cans.	.41	.41	.41	.32	1.00	.90
Vanillin	.45	.45	.45	.50	.95	.39
Average	2.03	2.10	2.10	2.21	6.83	2.05

As the Fordney-McCumber tariff bill went into effect last Friday all essential oils on the free list fell in price. Buyers, who have been holding off and awaiting the cheaper materials, are more at sea than before and are likely to remain out of the market until the speculative element has had its innings. Bergamot registered the steepest decline and anise, almond, citronella, geranium, cassia and lemongrass, petit grain and rose followed. Lemon did not strengthen as weakness abroad was reflected by a drop in spot prices. Oil peppermint continues lower as country holders adopt an easier tone. Cedar leaf and cedar wood were quoted lower. Spearmint and tansy, new crop oils, are down. Orange shows firmness in view of higher duties assessed under the new tariff. Very little can be said of the synthetic aromatics as sufficient time has not elapsed to allow any settlement of the situation. Much of the essential oil business is of a speculative nature and until some semblance of price stability creeps in, consumers will probably be indisposed to cover their requirements.

Essential Oils

Oil Almond—Sweet almond oil is the only one to show a drop in price being quoted at 42½c@45c per pound. Bitter oil is expected to feel the effect of the duty removal and the present price of \$4.75@\$5.00lb. will probably be bettered.

Oil Anise—As the new tariff became law and the duty

on anise oil was removed, sellers dropped their prices to 50c@52½c on technical and 55c@60c on U. S. P. goods.

Oil Bergamot—Prices declined sharply as duty free oil was offered. In speculative circles, \$3.00 was reported done in a large way. To consumers the best heard was \$3.15@\$3.25lb. For shipment \$2.75 c. i. f. is quoted from abroad. During the past few weeks spot sellers were taking orders at \$2.90 c. i. f.

Oil Bois de Rose—Bois de rose available at lower figures due to removal of duty. Now named at \$2.50 @ \$2.75lb.

Oil Cananga—Cheaper under new rate of duty, at \$2.50@\$2.75 for native oil.

Oil Caraway—Continues scarce and high on spot with U. S. P. oil at \$4.25@\$4.50 and crude at \$4.00@\$4.25.

Oil Cassia—Lower priced supplies available due to removal of duty. Now quoted at \$1.75@\$1.80lb. Offerings of technical oil at \$1.40.

Oil Cedar Leaf—Producers reduction in shipping cost enabled spot sellers to shade the price to 80c@85c lb.

Oil Cedar Wood—New crop oil cheaper at 25c@26c lb. in 1,000 pound drums. Easier shipment figures responsible.

Oil Citronella—As the duty was removed both Ceylon and Java oils fell in price. Ceylon goods in drums can be had at 52½c@55c and cans are offered at 55c@57½c. Java oil named at 66c@70c as to quantity. Some sellers holding high priced goods at advanced figures.

Oil Cloves—Shipments of spice arriving with regularity and oil continues to decline. Now quoted at \$2.15@\$2.40lb. in cans and \$2.20@\$2.45 in bottles. Spice is cheaper for futures.

Oil Geranium—On the free list in the new tariff. Bourbon offered at \$5.00@\$5.25. African oil now ranges from \$9.00 to \$10.00lb.

Oil Lavender—Spike lavender down to 70c@80c lb. U. S. P. goods unchanged at \$3.25@\$4.00 according to quality. Lower priced offerings of under grade material.

Oil Lemon—American lemon advanced to 70c@75c lb. The foreign market has evidently weakened considerably as the spot price has dropped to 65c in spite of the increase in duty as provided in the Fordney-McCumber tariff. Range is to 80c according to brand and seller. The unusually large lemon crops of the past two years have caused stocks to accumulate abroad. Reported 47c c. i. f. quoted for shipment.

Oil Lemongrass—Native oil off to 90c@95c, being on the free list in the new tariff.

Oil Orange—Imported orange oils firmer as duty is increased. No radical price changes have been made however as market is rather dull. West Indian inside at \$2.50 and ranges to \$2.65. Italian sweet oil available at \$2.75@\$2.90. American quoted at \$2.90@\$3.00 unchanged.

Oil Peppermint—Country sellers accepting lower prices as it becomes evident that city sellers will not meet their demands. Spot figures have been bettered and \$2.90@\$3.00 is being done on natural oil. Rectified goods at \$3.25@\$3.35lb.

Oil Petit Grain—Removal of tariff on petit grain caused price to weaken considerable. Some sellers are willing to shade even the low price of \$1.70@1.80lb. to get any business that is passing.

Oil Spearmint—Weakening in the country reflected in a drop, in spot prices. U. S. P. spearmint can now be had at \$2.75@2.85lb.

Oil Tansy—Further decline on new crop oil noted. Available at \$9.00@9.50lb.

Oil Thyme—Red lower at 90c@1.00; white down to \$1.00@1.15; crude at 85c@90c as duty is removed. Prices soft at those figures.

Oil Ylang Ylang—Bourbon oil off to \$8.00@9.00 following signing of tariff. Manila unchanged from \$30.00@35.00lb. basis.

Aromatic Chemicals

Coumarin—Makers continue to quote \$3.50@3.75lb. unchanged. No resale goods available.

Methyl Salicylate—No change in price noted with makers at 39c in drums and 41c in cans. Resellers quoting 40c@41c but are able to offer little material.

Musk—The high duty placed on artificial musks has caused spot holders to advance prices on the small amount of goods being offered. Ambrette is up to \$15.00@16.00 and xylene is at \$3.25@3.50. Importers say the duty will practically prohibit further importations.

Vanillin—In a firm position with makers quoting from 43c to 46c according to quantity. Resale goods at the same figures but not available in large amounts.

The Bureau of Labor Statistics, Department of Labor, has compiled figures based on reports received from 36 chemical factories, showing employment and payrolls in the months of July and August, 1922. In July there were 8,390 persons employed in these 36 factories as compared with 8,659 in August, which showed an increase of 3.2 per cent. The payrolls in these establishments amounted to \$178,600 in July as compared with \$191,044 in August, showing an increase of 7 per cent.

Beginning Oct. 1 the Canadian customs will require that the shipper's invoice indicate the country of manufacture or production as to all imports, and will require the shipper to certify that each article covered by his invoice is the product of the country specified thereon. It is important therefore that all shippers in this country who ship to the Dominion give special attention to the new Canadian ruling.

Herbert Hoover, Secretary of Commerce, met several prominent advertising men in a conference held last week at Washington. The meeting was designed to bring about closer co-operation between the department and advertising interests to the end that both might be benefitted.

The Department of Commerce has received a cablegram from Commercial Attache MacLean at Rome stating that the wages in the Italian chemical industry for skilled workers is 3.10 lire per hour, and for unskilled workers 2.50 lire per hour.

A petition in bankruptcy was filed Sept. 2 against the Florome Chemical Corp., manufacturers of perfumes, at 24 Wooster street, New York, by Elsie Gabay \$3,000, Esther Newmark \$1,500 and Sue Leiboff \$350.

Essential Oil Notes

Five hundred bales of cloves were received at this port last week.

Bois de rose has been offered at under \$2.00 for shipment, say sellers in the spot market. The present price is reported inside at \$2.50.

Imports were heavier during the past week than for some time previous. Besides 500 cases and 150 boxes of oil lemon, 70 cases of bergamot, 100 cases of orange, 70 cases of cassia and 18 cases of bay were recorded at this port.

Oil linaloe is holding well in spite of the fact that the new crop should be available at lower prices. Information coming from Vera Cruz carries news of a poor quality oil and indicates that good oil will probably continue scarce on this market.

Reports from abroad indicate that lemon oil is again in a bad position. The large crops of the past two years have virtually flooded the market with oil and since the past summer was one of the poorest in years in point of consumption, sellers on the other side are apparently willing to take losses to unload their goods.

A fight for over a year by the essential oil consuming industries to have the long list of oils formerly dutiable at twenty per cent, retained on the free list after being placed there by the House, ended victoriously. The losses to spot holders of stocks which came in at the twenty per cent rate, however, will be heavy.

The stronger holders among the essential oil houses are not anxious to quote on their goods at this time. Values have not been subject to such sudden change and to such wide variation for some time. The weaker sellers and the speculative element are turning over material at any margin of profit and on many items there is no real market price.

On Wednesday, Sept. 13, the first fall meeting of the Chicago Perfumery Soap and Extract Association was held at the Elks Club, about thirty sitting down to the luncheon. Joseph De Lorme, representing the Orbis Products Co., having been recently married when he was visiting New York, was presented with a very handsome bouquet of flowers as a token of the association's appreciation of his work as former secretary of the association. The meetings will now be held weekly on Wednesdays, and the Entertainment Committee promises some good speakers during the winter.

Aromatics appear to be divided into two general classes in the new tariff, (1) natural or synthetic products of non-coal-tar origin at 45 per cent, (2) aromatic coal-tar derivatives at 60 per cent and 7c per pound for two years, with 45 per cent and 7c thereafter. Then there is the class which takes in ambergris, civet, castoreum and musk, on which 20 per cent is assessed, and the general class of esters and ethers at 25 per cent ad valorem. All compounds of essential oils or aromatic chemicals containing less than 10 per cent alcohol are held at 40c lb. and 50 per cent ad valorem. All compounds with more than 10 per cent alcohol are classed as "toilet preparations" and dutiable at 40c lb. and 75 per cent ad valorem. Toilet preparations without alcohol are held at 75 per cent. Floral waters carry 20 per cent, while bay rum is dutiable at 40c lb. and 60 per cent ad valorem. Flavoring extracts and fruit flavors not provided for will carry 25 per cent.

The Consuming Industries

SULFITE PRODUCTION IN NORWAY GREATLY CURTAILED IN RECENT YEARS

Paper-Making Industry Hard Hit by Limited Sales, Strikes, Reduced Production and Unsteady Prices—Cellulose Contracts Broken by Consumers When Prices Dropped

More interest probably centers around paper than any other Norwegian export. The year just closed was a difficult one for the industry in Norway, characterized by a small and uneven demand, limited sales possibilities, strikes, reduced production and unsteady prices. Norwegian paper exporters were also forced for a time to meet severe competition, especially from Finland and Germany, and in some grades from Belgium, England and Sweden, writes Consul General Alban G. Snyder, of Christiania.

The demand of war years resulted in forced production and large accumulation of stocks in all paper-consuming centers. Later, a return to normal was delayed by the widespread financial crisis, and corresponding reduction in the purchasing power of those countries. These conditions, along with several injurious strikes within the industry, resulted in reduced production and the complete closing of many mills in Norway.

It is said that exports of paper and wood pulp were less in 1921 than in any year since 1905. During the first eleven months of 1921 Norwegian exports amounted to 236,699 tons of wet wood pulp, 71,698 tons of dry cellulose, 53,917 tons of newsprint, 16,688 tons of packing paper and 836 tons of cardboard, as compared with 367,417 tons of wet wood pulp, 199,145 tons of dry cellulose, 116,504 tons of newsprint, 59,352 tons of packing paper and 9,877 tons of cardboard during the corresponding period of 1920.

On account of poor sales possibilities and falling prices in the wood-pulp industry, the mills were closed down from April to July, 1921. Conditions improved somewhat toward the close of the year, prices rising from 70 crowns to about 130 crowns a ton, this being partly attributable to a scarcity of water in Norway and Sweden, with consequent reduced output, but a reduction of wages, made possible by the expiration of the compulsory labor arbitration decisions, also helped.

By the fall of 1920 the cellulose mills had disposed of most of the 1921 production at fair prices, but when the market broke foreign buyers had little use for the cellulose bought or contracted for, and it is said that they immediately attempted to cancel these contracts, with the result that few contracts were carried out in their entirety, many mills being forced to consent to annulment, reduction of prices or extension in time of delivery. The unfavorable purchase at high prices of pulpwood in 1920 also seriously affected the cellulose and pulp mills.

From May 1 work practically ceased in all mills producing unbleached sulfite, and those engaged in producing bleached sulfite and sulfate also ceased work or reduced operations. There was a total stoppage of work from Aug. 19 to Oct. 20.

Morton & Van Derveer, Amsterdam, N. Y., hosiery makers, have increased their working force and are speeding up production.

New Consuming Companies

Beaver Petroleum Co., Buffalo, N. Y., \$500,000. To make petroleum products. F. L. Danforth, B. Rumsey, W. S. Jackson; rep., R. C. Palmer, Ellicott Square, Buffalo.

Globe Steel Tube Co., Wilmington, Del., \$10,500,000. Corporation Trust Co. of America, Wilmington.

American Mica Manufacturing Co., Wilmington, Del., \$100,000. C. S. Greelman, Waynesboro, N. C., C. E. and F. E. Slocumb, Wilmington.

Nypros Steel Co., Wilmington, Del., \$5,250,000. Corporation Trust Co. of America, Wilmington.

Allied Paper Products, Philadelphia, \$50,000. Rep., Corporation Guarantee and Trust Co., Dover, Del.

Ceramic Products Corp., Old Bridge, N. J., \$200,000. G. M. McLaughlin, T. B. Smith, Newark; Conover English, Elizabeth.

Irving Ice Cream Co., White Plains, N. Y., \$50,000. W. T. and F. B. Carpenter, F. W. Messing; attorney, F. M. Grant, 131 East 44th.

B. C. Tillinghast Rubber Mfg. Co., Jersey City, \$50,000. H. A. Black, Staten Island; C. J. Slanner, Jersey City; W. J. Edelman, New York.

China Fibre Containers Co., Wilmington, Del., \$250,000. To make paper and pulp boards. Corporation Trust Co. of America, Wilmington.

William H. Manard & Co., Inc., Buffalo, N. Y., \$150,000. Meat packing business. W. H. Manard, 2300 Seneca st., Buffalo.

Ideal Food Products Co., Wilmington, \$250,000. To make and sell malted food products. Corporation Trust Co., 37 Wall st., New York.

Keystone Gold Mining Co., Wilmington, \$300,000. Corporation Trust Co., 37 Wall st., New York.

Chelf Drug Stores, Inc., Jacksonville, Fla., \$200,000.

Menke, Kaufman & Co., New York, \$750,000. F. W. Kaufman, W. Menke, V. C. Lambert; attorney, L. Klaber, 342 Madison ave.

Durable Silk Co., Paterson, N. J., \$100,000. Max and Abe Landan, A. L. Young, Paterson.

Monmouth Silk Mills, Inc., Belmar, N. J., \$50,000. W. E. Carpenter, L. E. Newman, E. E. Newman, Belmar.

Weimar Tire Co., Irvington, N. J., \$100,000. Louis, Joseph, and Morris Weimar, Irvington.

Metal Penetrating Color Corp., New Haven, Conn., \$25,000. To make a special metal process known as penetrating color. G. R. Doolittle, R. H. Unmack, 152 Whalley ave., New Haven.

Waxene Mfg. Corp., Bloomington, Ind., \$60,000. To make waxes, polishes, varnishes. H. M. Wood, O. H. Cravens, J. E. P. Holland, Bloomington.

Merchantville Aluminum and Brass Works, Inc., Merchantville, N. J., \$100,000. P. Bernacki, A. Raroha, D. S. Renwick, 511 Market st., Camden, N. J.

Kriegold Leather Co., Chelsea, Mass., \$10,000. To make leather products. George L. Goldman, Jacob Kristal, 29 Franklin ave., Chelsea.

L. Hannerfield, Inc., New York, \$15,000. To make glass products. L. Hannerfield, B. Finkelstein, J. A. Sheridan, Holley & Oxenberg, 50 East 42nd st.

Maryland-Virginia Oil Corp., 1010 Keyser Bldg., Baltimore, \$500,000. To make petroleum products. E. E. Hoch, L. R. Athey.

French Mfg. Co., Seymour, Conn., \$50,000. To make rubber specialties and affiliated products. C. M. and E. D. French, C. J. Atwater, Seymour.

Tremont Oil Co., Chicago, Ill., \$500,000. To make petroleum products. R. W. Taylor, J. N. Fulton, T. Goodrich; rep., Colonial Charter Co., Wilmington, Del.

Marion Production Co., Marion, Ind., \$100,000. To make petroleum products. O. F. Brown, E. S. Lane, C. W. Beach, Marion, Ind.

Old Colony-Rynak Leather Co., Boston, \$100,000. To make leather products. Walter Reinstein; Henry Yozell, 40 County Road, Chelsea, Mass.

National Paint Works, Inc., Boston, \$50,000. Philip Shurdut; F. V. Jordan, 237 Redlands Road, West Roxbury, Mass.

Acme Production Co., New York, \$2,500,000. To make petroleum products. Registration and Transfer Co., 900 Market st., Wilmington.

Merit Artificial Silk Corp., Palisades, N. J., \$150,000. To make silk and textile products. Richard E. Dwight, 100 Broadway, New York.

Lilly Light Laundry Co., Jersey City, \$100,000. General laundry business. Harry Finckel, 154 Danforth ave., Jersey City.

Metalon Products Corp., Wilmington, Del., \$600,000. To make cements, oils and paints.

Metholam Products Corp., Brooklyn, N. Y., \$50,000. J. O. Olsen, V. P. Mehta, C. G. Dutemple; attorney, M. Lustig, 154 Nassau st., New York.

WOOL SNARLS UNDER NEW TARIFF

For wool importers and manufacturers the indefensibly high rates imposed upon the lighter shrinkage wools by paragraph 1102 of the new tariff bill are of much less immediate concern than the methods to be prescribed by the Secretary of the Treasury for carrying out the provisions of this paragraph, says the "Textile World." Approximately 100,000,000 pounds of wool "improved by the admixture of merino or English blood," and thus dutiable under this paragraph, are in bonded warehouses awaiting release under the new tariff and additional quantities are en route to this country. The bulk of these wools are owned by manufacturers and are urgently needed. We may, therefore, expect to witness a prompt demonstration of the impracticability and almost unavoidable unfairness of this law.

So important is it for the trade to secure prompt release of wools in bond and afloat that they may be willing to submit temporarily to any customs regulations, but unless the administration of the provisions of paragraph 1102 covering grease, washed and scoured wools is conducted with such scientific accuracy as to ensure uniformity of duties on similar wools wherever imported, it will be necessary to seek legal relief immediately.

The William Messmer Silk Finishing Co. of Weehawken, has awarded to the John J. O'Leary Co. of Passaic the general contract for the construction of a silk dyeing factory building at No. 223 Hackensack Turnpike, Weehawken. The new building will be of brick, one and one-half stories high, and will measure 25x63 feet. John V. Van Vlandion, architect, estimates the cost at \$13,560.

The trustee in bankruptcy of the Richardson-Foster Co. has ordered the sale of the dyeing and finishing plant located at 739 High street, Central Falls, R. I. The sale includes the plant, which is equipped for dyeing and finishing worsted piece goods, knit goods, worsted tops and jersey cloth and power plant.

Cotton mills in Pacolet Mills, S. C., are being supplied with coal to the exclusion of householders. Residents of the town, which is one of the most productive in the Piedmont section, decided to use wood and oil in order that the mills could continue to run.

The Griess-Pfeger Tanning Co., 179 South street, Boston, Mass., will soon begin work on a one-story leather tanning plant at Natick, Mass. It will be located on Washington street and will be 180x320 feet.

George F. Collins, Sapulpa, Okla., has acquired the plant of the Hutton Bates Glass Co., Poteau, Okla., manufacturers of bottles and containers, and will install new equipment for increased output.

The Southwestern Tanning Co., 214 Holland Building, Springfield, Mo., recently organized, is to build a one-story leather tanning plant estimated to cost \$18,000.

The Grand Rapids Tire and Rubber Co., Grand Rapids, Mich., is building a new plant to cost about \$250,000. The president of the company is L. A. Brown.

The Malden Hosiery Mills, Malden, Mass., is now manufacturing hosiery at its new plant at 87 Bryant st. S. A. Kaufman is proprietor of the mill.

The Danbury Manufacturing Co., Danbury, Conn., makers of underwear, has purchased property on which a new plant will be built.

Trade Tips for Sellers

The city of Baltimore is to have a new \$1,500,000 water filtration plant.

The Mansfield Bleachery, Mansfield, Mass., is building a \$50,000 addition to its plant.

A bankruptcy petition has been filed by Morris Gerst, who operates a silk mill in Paterson, N. J. Liabilities are listed as \$39,200 and the company has no assets.

Lowell, Mass., knitting mills are operating on reduced schedules due to lack of firm orders. The mills are employing about two-thirds of their normal numbers of men in most cases.

The Taylor Textile Mfg. Co., 91 Fifth avenue, New York City, has filed schedules in bankruptcy listing assets at \$474,348 and liabilities at \$487,130. Jardine, Matheson & Co. are creditors to the extent of \$26,115.

The Susquehanna Silk Mills Corp., Sunbury, Pa., has granted a 10 per cent pay increase to its 3,000 employees. The Sunbury Converting Works, which is the dyeing plant of the silk company, voted a similar increase.

Wool auction sales, held at Brisbane, Queensland, developed from 10 to 15 per cent higher than prices on July 6. Additional sales will be held at Adelaide, South Australia, and Perth, West Australia, at intervals during the next three months.

Over 7,000 pottery workers in Ohio, Pennsylvania, Indiana, New York, New Jersey and West Virginia will walk out the night of Sept. 30 unless employing companies change their decision and vote the 7 per cent wage increase demanded. John T. Wood, president of the National Brotherhood of Operative Pottery, issued the strike order, following a referendum vote.

Space for the Fifth Southern Textile Exposition, to be held in the Textile Hall, Greenville, S. C., Oct. 19-25, is reported disposed of. Advance signs all point to a successful exhibition. Meetings to be held during the week include the Southern Textile Association, Oct. 20 and 21; Southern Textile Social Workers' Association, Oct. 21; South Carolina Cotton Manufacturers Association, Oct. 24.

The Spanish River Pulp & Paper Mills, Toronto, Canada, reports a successful year considering the period of general business depression which is now passing. The annual financial report shows assets valued at \$42,355,499 as compared with \$44,788,901 a year ago against current liabilities of \$4,172,071 and \$6,734,685, respectively. The net earnings were \$3,361,537 against \$4,836,001 for the previous year. The company has maintained its regular dividends throughout the year.

The window glass situation in Belgium is greatly improved, with twenty furnaces now producing, the largest number operating since the Armistice. Prices are showing an upward tendency. Chinese orders are reported as increasing, and it is estimated that 2,000 cases per month are now being shipped to Java. The Val Saint Lambert Co. is now operating seven furnaces, but the demand for crystal is still deficient, and unemployment is marked among glass cutters. Plate and bottle glass plants are now fully occupied, the latter operating at 75 per cent of capacity. As a result of the activity in small plants in all branches of the industry, wage difficulties have arisen.

The Foreign Markets

Imports of Drugs, Chemicals, page 839

BISMUTH AND QUICKSILVER HIGHER

London Prices Higher, Also on Carbolic Acid—Japanese Refined Camphor and Oil Eucalyptus Firmer—Easier Market for Ergot, Menthol and Potassium Carbonate

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Sept. 27.—The markets are quiet with only a small volume of business for the week. Higher quotations are announced on bismuth and bismuth salts, carbolic acid and quicksilver. Firmer prices are noted for Japanese refined camphor, and oil of eucalyptus.

Balsam Peru, cream tartar, ergot, potassium carbonate, acetic acid, menthol, English camphor, cocaine, hexamine, lanoline and barbitone are easier.

London, Sept. 16. (By Mail)—The chief mainstay of business in this country being its export trade, outside influences probably affect it more than in other countries. From month to month the international horizon has been scanned in the hope of finding a way out of the existing chaos but in vain, and one is still left wondering how long this ominous situation will last. The strong attitude of France as to her Reparations from Germany has had the effect of again retarding the long looked for improvement in French and German trade. These two countries form the chief consuming market for our manufactures. One is almost forced to the conclusion that diplomats and professional politicians have signally failed and that if any amelioration in trade is to take place it is time that the interests of commerce should be allowed to pass into other and more capable hands closer to industrial and banking interests.

The first step in this direction has just been successfully taken by the Russo-Asiatic Consolidated, Ltd. After months of negotiations and pitiable delays, caused by Government interference, this corporation has now paved the way to individual enterprise in Russia and there is good ground for hope that this partial entry of Russia into international trade will stimulate other countries to similarly act on their own initiative without reference to treaty negotiations.

No improvement can be reported in the drug and chemical markets this week and sales have been on a small scale only. There has been more enquiry for opium which is firmer but morphia salts are quiet and unchanged.

Quicksilver—In the absence of further importations business is getting very difficult and orders from the United States have not been fully executed. There is more enquiry for bismuth salts, which is clearing the market of resale stocks which have been held for some months.

Camphor Japanese slabs are selling at 3s 6d per pound for spot, and for September-October 3s 3d c. i. f. is asked.

Acetyl salicylic acid is in improved demand and is fairly firm at 3s per pound.

Arrowroot—Stocks are getting into narrow limits and held firmly at 4½d per pound for St. Vincent.

Atropine is lower; sulfate 13s per ounce, pure 17s per ounce.

FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling).....	\$4.886	\$4.415
France (franc) .....	.193	.076
Italy (lira) .....	.193	.042
Germany (mark) per hundred.....	23.80	.072
Czechoslovakia (crown) per hundred.....	20.30	.316
Poland (mark) per hundred.....	23.80	.013
Japan (yen) .....	.499	.480
Spain (peseta) .....	.193	.152
Holland (guilder) .....	.402	.386
Belgium (franc) .....	.198	.017
Norway (crown) .....	.268	.168
Switzerland (franc) .....	.193	.186
Sweden (crown) .....	.268	.264
Denmark (crown) .....	.268	.208
Argentina (peso) .....	.424	.353
Brazil (milreis) .....	.279	.120
China (Silver dollar—Hongkong).....	.789	.572
(Tael—Shanghai, silver)	1.082	.770
(Tael—Peking, silver)	1.156	.808
Russia—(100 rubles)	51.50	.100

Oil of cassia is firm at 5s 6d per pound for 80 to 85 per cent quality.

Chamomiles—There is a halt in buying owing to the high prices asked for the Belgian new crop first shipments.

Oxalic acid is very steady on more enquiry at 7½d per pound.

Opium—Good testing Turkey Druggists is available at 13s per pound on spot, but nothing is being offered for forward delivery owing to the troubles in Asia Minor.

Cocaine is still weak and can be bought at 14s 6d per ounce hydrochloride.

Thymol as to quality 20s to 22s 3d per pound.

Benzoate of soda after a long period of depression is in better demand and cwt. lots can be had at 1s 3d per pound, being somewhat dearer.

An important series of experiments is being carried on at the University of Saskatchewan with a view of saving from destruction buildings of cement valued at millions of dollars. Examination has shown that cement structures subject to the action of alkaline waters in the western provinces of Canada are slowly disintegrating. A committee of scientific experts under the chairmanship of Prof. C. J. MacKenzie, of the University of Saskatchewan, was appointed to investigate.

Two hundred and fifty cement blocks were exposed to the action of alkaline waters at different points and the work will now enter upon its second stage of chemical research, which will be carried on at the university by Prof. T. Thorvaldson, assisted by five chemists. It is not expected that results will be ready for publication before another year. Disintegration of cement construction under the influence of alkaline water has reached such a serious stage that until more is known it is doubtful whether cement can be used in localities where alkaline water occurs.

Calcium chloride in powder form is being applied to stretches of the highway between Brockville, Ont., and Ottawa as a dust preventive by the Department of Public Highways. The experiment is being carried on with a view to determining the relative values of the chemical and oil as a means of preventing dust.

ESSENTIAL OIL PRICES IN SICILY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Messina, Sicily, Sept. 9.—The month of August saw lemon oil reach its lowest price for the year 1922. Other oils have been steadier. The following table shows the highest and lowest prices in Italian lire, per English pound, that producers have been asking locally:

	Highest	Lowest
Lemon oil	10.05	9.33
Sweet orange oil	46.60	45.52
Bergamot oil	61.70	61.00

These quotations are prices naked, to which must be added cost of analysis of oil and brokerage. Present prices are, lemon oil 10.05, orange oil 45.52, and bergamot oil 61.70. The dollar exchange in August has moved between 23.75 lire to 21.50 lire per dollar.

Total exports from Messina to United States during July 1922 were 6,581 pounds. English net, against 34,001 pounds net. in the corresponding month, 1921. The returns for the first seven months of 1922 against those of the corresponding period 1921 are:

	1921	1922
	lbs. net.	lbs. net.
January	78,369	43,648
February	50,082	40,904
March	93,220	70,123
April	34,128	73,027
May	36,031	52,974
June	35,111	24,534
August	34,001	5,861
Total	360,942	310,891

The above amounts represent all oils, of which lemon is the predominating factor. It will be seen that there is a reduction of over 50,000 pounds this year and possibly there are three main factors that explain this difference. In 1921 there was a good deal of speculation rife in America, more so than this year. The summer last year was more conducive to the drinking of soft drinks than this year has seen, and no doubt the unloading of weak holders from last year has not encouraged importation. If it were not for the partial failure of the California citrus crops, the figure of 50,000 pounds would be greatly increased.

Frederick J. Baker, of S. and G. De Pasquale, says: "The forthcoming crop promises well in spite of an abnormally hot summer. It is not anticipated that the heat will have any injurious effect on the crop, only it will possibly retard the maturing of the fruit. Although the trees are getting the usual amount of irrigation water, yet the water is not held by the tree as it ought to be, but is lost by evaporation. The working of the new crop will start about the end of November and possibly there will be sufficient new crop oil for exportation by the end of December.

"How the prices will run for the new oil is not known yet. No doubt the hold-over from 1921-22 season will have some effect. In spite of the past season being a scarce season, the hold-over in lemon oil is estimated at 300,000 to 350,000 English pounds. The figures for bergamot and orange are not known yet.

"The American tariff on lemon oil is causing a great amount of anxiety and speculation here. It is possible that the exportations from here to the States in September will be the biggest on record."

MANY SWISS PRODUCTS EQUAL IN VALUE TO OUTPUT OF GERMAN MANUFACTURES

Swiss Society of Chemical Industry Said To Rank Next to Farbwerke Meister Lucius and Bruning in the Manufacture of Artificial Indigo—Hoffmann-La Roche Chief Producers of Alkaloids

Though the chemical industry of Switzerland was already highly developed long before the war, the latter stimulated the manufacture and export of chemicals to such an extent, says the "Chemical Age" of London, that at present, according to the official report on the Swiss chemical industry in 1920, the value of dyes, pharmaceutical products, synthetic and artificial perfumes, paints, varnishes and lacquers almost equals the value of the same products manufactured in Germany.

The exports of tar dyes and artificial indigo, which in 1913 totalled only 29,000,000 francs reached, in 1920, 211,000,000 francs. The chief purchaser of indigo is China, which buys about 84 per cent of the total exports of Swiss indigo (valued at 13,000,000 francs). Of the other dyes, Great Britain purchased, in 1920, 62,750,000 francs worth; France, 49,200,000 francs; United States, 16,000,000 francs; Belgium, 15,500,000 francs; Italy, 15,500,000 francs; South America, 8,000,000 francs, Japan and China, 6,500,000 francs.

Next to the Farbwerke Meister Lucius and Bruning, the Swiss Society of Chemical Industry in Basle (capital 20,000,000 francs) is the largest manufacturer of artificial indigo in the world, the principal factory being situated at Monthey. The same concern is at the head of the pharmaceutical industry, which mainly turns out synthetic remedies, while Hoffman-La Roche, Ltd., and S. A. ci-dev. B. Siegfried, Zofingue, are the chief producers of alkaloids, such as aconitine, apomorphine, atropine, cocaine, codeine, morphine, strychnine, theobromine, furthermore, they prepare galenicals, anaesthetics and narcotics, disinfectants and biological products.

The value of the exports of the above products reached in 1920 the total of 32,000,000 francs, of which nine millions were for vegetable extracts, powders, pastilles; 11.7 millions for alkaloids; and 11.1 millions for synthetic remedies. The manufacture of saccharin also went up from 0.8 millions francs in 1913 to 4½ millions in 1920.

The export of perfumery rose from 6 millions in 1913 to 13 million francs in 1919 and 23.5 millions in 1920. The best customer is France, with about 7 million francs, followed by the United States, 4.5 millions; Great Britain, 3.1 millions; Italy 1.1 million, and Spain, 0.9 millions.

GERMAN CHEMICAL EXPORTS DECLINE

The German chemical industry lost 34 per cent in exports for the first half of 1922, as compared with last year, according to the report of the Association for the Protection of the Interests of the Chemical Industry in Germany. The report declares that the scarcity of raw materials is crippling production. This is particularly serious as regards soda, which must be bought abroad at double the domestic prices. Carbolic acid supplies are also short.

The report points to the danger involved in the French demand for 60 per cent of the shares of the German chemical industry, which would give France control. While this demand has not been pressed since the moratorium question, fear is expressed that it will be repeated when the opportunity offers.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs**; **Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

PACKAGES—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices when available, and indicated as such. Chemical prices quoted

herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f.o.b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oil prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 pounds
1 Pound (Avoirdupois)	—.454 Kilograms
1 Kilogram	—2.20 Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

Chemicals

ACETANILID, tech 1500 bbls. D	.35	.36
100 lb. kgs.	.26	.27
USP 200 lb. bbls.	.30	.30
Second Hands	.28	.30
Acetic Anhydride, 85% 480 drs. D	.37	.37
85% 107 lb. chys.	.40	.40
90% chys.	.39	.39
Acetone, CP 700 lb. drs. c/l wks. D	.16	.16 1/2
700 lb. drs. c/l wks.	.16	.16 1/2
350 lb. drs. c/l wks.	.18	.18 1/2
Second Hands	.18	.18 1/2
Acetophenone, CP 1 lb. bot.	\$5.00	4.00
Acetophenetidin, 150 lb. bbls.	1.85	1.90
Acetyl Chloride, 100 lb. chys.	.35	.35
ACID 1, 2, 4, 250 bbls.	.30	.30
Acetic, 28% 400 lb. c/l	.28	.28
28% 100 lb. wks.	.30	.30
50% c/l wks.	.50	.50
50% 100 lb. wks.	.65	.65
70% bbls. c/l wks.	.70	.70
70% 100 lb. wks.	.75	.75
80% coml. bbls. c/l wks. 100 lb.	.81	.81
80% coml. c/l wks. 100 lb.	.83	.83
80% pure bbls. c/l wks. 100 lb.	.94	.94
80% pure c/l wks. 100 lb.	.97	.97
Glacial, bbls. c/l wks. 100 lb.	10.71	10.96
Glacial, c/l wks. 100 lb.	10.96	11.21
Glacial, USP chys. wks. 100 lb.	11.21	11.46
Acetylacetic, 200 lb. bbls.	.85	.85
Second Hands	.80	.83
Anthranilic, ton lots drs.	1.10	1.10
95-98% 100 lb. drs.	1.15	1.15
99-100% 100 lb. drs.	1.30	1.30
Benzene, tech. 100 lb. bbls.	.55	.55
Tech. ton lots bbls.	.53	.53
USP, 100 lb. bbls.	.60	.70
Boric, crys. powd. 250 lb. bbls.	11.15	11.15
Kegs. 100 lb.	.13	.13 1/2
Bromine's, 250 lb. bbls.	1.55	1.55
Butyric, 60% pure 5 lb. bot.	.85	.90
Camphoric, USP VIII 1 lb. bot.	5.10	5.25
Carbolic, USP crys. see also Phenol		
110 lb. tins	.23	.23
25 lb. tins	.24	.24
5 lb. tins or bot.	.26	.27
1 lb. bot.	.31	.32
Liquid, USP 1 lb. bot.	.30	.30

ACID, Carbolic—(Continued)		
Crude, 25% 50 gal. bbls.	.27	.30
10% 60 gal. bbls.	.22	.23
Chloracetic, mono 100 lb. bbls. wks.	.32 1/2	.32 1/2
DI, 150 lb. chys. wks.	1.00	1.00
DI, 425 lb. bbls. wks.	.100	.100
Chlorosulfonic, 1500 lb. drs.	.15	.16
Chromic, USP 200 lb. drums.	.40	.40
85% Pure, 200 lb. drums.	.35	.35
Chrysophanic, see Chrysarobin		
Cinnamic, 5 lb. cans.	2.75	3.00
CITRIC, USP crys. 230 lb. bbls.	.50	.50
Powd., USP 200 lb. bbls.	.51	.51
Imported, crys. 112 lb. kgs.	.51	.52
Single kgs.	1.50	1.54
Cleves, 250 lb. bbls.	.53	.53
Cresylic, 95% dark 100 gal.	.51	.51
dr. wks.	.75	.75
95% dark, 10 dr. lots wks. gal.	.76	.78
97-99% straw, drs. wks. gal.	.16	.17
97-99% decolor. drs. wks. gal.	.18	.20
Formic, 75% tech. 100 lb. chys.	.70	.75
90% 140 lb. chys. incl.	.15	.16
Gallie, USP 150 lb. bbls.	.70	.75
Gamma, 225 lb. bbls. wks.	1.85	1.85
Bbls., ton lots wks.	1.80	1.80
Glycerophosphoric, 25% 1 lb. b. D	1.65	1.70
H. 350 lb. bbls. single.	.30	.30
Bbls. ton lots wks.	.75	.75
Hydrodic, 10% USP 5 lb. bot.	.50	.50
Hydrobromic, 48% coml. 155 lb. chys.	.37	.37
48% coml. 10 chys. wks.	.35	.35
40% CP 155 lb. chys. wks.	.42	.42
10% USP 100 lb. chys. wks.	.15	.16
Hydrochloric, see also Acid Muriatic		
CP 5 gal. dems.	.07	.08
USP, 5 gal. dems.	.07	.08
HYDROFLUORIC, 30% 400 lb. bbls.		
wks.	.06	.06
30% bbls. c/l wks.	.05	.05
30% 100 lb. chys. wks.	.04 1/2	.04 1/2
48% single 100 lb. chys. wks.	.11	.11
48% 10 chys. wks.	.10	.10
52% 100 lb. chys. wks.	.13	.13
52% 10 chys. wks.	.11	.11

Acid, hydrofluoric—(continued)		
60% 100 lb. chys. wks.	.14	.14
60% 300 lb. dr., wks.	.13	.13
White Acid, 100 lb. chys. wks.	.26	.26
White Acid, 10 chys. wks.	.25	.25
Hydrofluosilicic, 35% 450 lb. bbls.	.10	.12
wks.	.10	.12
Hypophosphorous, USP 30% 5 gal. dems.	1.05	1.05
USP, 10% 5 gal. dems.	.37	.37
LACTIC, 22% dark 500 lb. bbls.	.04	.04 1/2
22% light, bbls.	.05 1/2	.06
44% dark, bbls.	.09 1/2	.10
44% light, bbls.	.10 1/2	.12
66% bbls.	.10 1/2	.10
80% imported, bbls.	.14 1/2	.15
USP IX 100 lb. chys.	.60	.65
USP VIII 100 lb. chys.	.55	.55
Laurent's, 250 lb. bbls.	.75	.80
Metanilic, 250 lb. bbls.	1.00	1.00
Mixed, sulfuric-nitric		
Drums, wks.	.07 1/2	.08
Drums, wks.	.01	.01 1/2
Tank cars, wks.	.07 1/2	.08
Tank cars wks.	.009	.01
Molybdic, 85% pure 1 lb. bot.	3.00	3.00
85% pure, 100 lb. kgs.	1.65	1.65
Monosulfonic F, Delta. 50 lb. tins	3.30	3.30
MURIATIC, 20° chys. c/l	1.35	1.75
Chys. c/l wks.	1.10	1.50
Tank cars, wks.	1.00	1.10
18°, 140 lb. chys.	.85	1.35
c/l wks.	1.40	2.00
22°, 140 lb. chys.	1.40	2.00
c/l wks.	1.40	2.00
Iron, free, 20° chys.	1.25	1.25
c/l wks.	1.25	1.25
Tank cars, wks.	1.25	1.25
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthalic, tech. 250 lb. bbls.	.60	.62
Refined, single bbls.	.65	.65
Neville & Winter's, 250 lb. bbls.	1.15	1.30

Solvents

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and Ether
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Amyl Acetate
Butyl Acetate

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Glycerophosphates
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Carbonate
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Chemicals

NITRIC, 38° 135B cty.

wks.100lb	5.50	: 6.15
Chys. c/l wks.100lb	4.50	: 5.25
38° single cty. wks.100lb	5.65	: 6.55
Chys. c/l wks. ....100lb	5.00	: 5.65
40° single cty. wks. ....100lb	6.50	: 7.15
Chys. c/l wks. ....100lb	5.25	: 6.25
42° single cty. wks. ....100lb	7.25	: 7.90
Chys. c/l wks. ....100lb	5.50	: 7.00
C. P. cty. single wks. ....100lb	...	: 13.00
Oxalic, 325 lb bbls. wks. ....lb	...	: .17
Bbls., NY	...	: .19
Keps. 100 lb	...	: .17 1/4
Phenylacetic, 1 lb bot. ....lb	2.50	: 3.00
Phosphoric, 50% tech. 100 lb cty.	...	: .09
USP, 85% syrupy, 70 lb demis. ....lb	...	: .17
Phthalic, 100 lb bbls. ....lb	...	: .32
Picramic, 300 lb bbls. ....lb	...	: .45
Picric, 300 lb bbls. ....lb	...	: .30
Bbls. car lots wks. ....lb	...	: .30
Pyrogallic, crys. 5 lb cans. ....lb	...	: 1.20
Resublimed, 5 lb cans. ....lb	...	: 1.00
Tech. powd. 300 lb bbls. ....lb	...	: .80
Salicylic, tech. 125 lb bbls. ....lb	...	: .26
USP, 100 lb bbls. ....lb	...	: .29
Sulfanilic, 250 lb bbls. ....lb	...	: .17
SULFURIC, 66° 175 lb cty.	...	: 1.50
lc/l wks. ....100lb	...	: 1.25
Chys. c/l wks. ....100lb	...	: 1.10
1500 lb Drums, lc/l wks. ....100lb	...	: 1.00
Tank cars, wks. ....net ton	14.00	: 16.00
60° 1500 lb Drums, lc/l wks. ....100lb	...	: .70
Drums, c/l wks. ....100lb	...	: .60

Acid Sulfuric

Tank cars, wks. ....net ton	9.00	: 11.00
C. P. 175 lb cty. ....100 lb	...	: 8.00
Oleum, 20 p.c. 1500 lb drums, lc/l wks. ....100 lb	1.25	: 1.50
Drums, c/l wks. ....100 lb	1.10	: 1.25
Tank Cars, wks. ....net ton	18.00	: 19.00
Contract cars, wks. ....ton	18.00	: 19.00
Oleum, 40° drs lc/l wks. net ton	...	: 35.00
Oleum, 60° drs, lc/l wks net ton	...	: 65.00
Sulfurous, USP 6% 100 lb cty. lb	.05	: .08
4% 100 lb cty. ....lb	.04	: .08
USP, 5 gal. demis. ....lb	.08	: .08
Tannic, tech. 300 lb bbls. ....lb	.40	: .55
USP, powd. 200 lb bbls. ....lb	.70	: .75
USP, buffy, 50 lb bbls. ....lb	.75	: .80
Tartaric USP cryst 300 lb bbls. lb	...	: .32
USP, powd. 300 lb bbls. ....lb	...	: .32
Imp. USP 240 lb bbls. ....lb	...	: .31
Powd. 240 lb bbls. ....lb	...	: .31
Tobias, 250 lb bbls. ....lb	1.50	: 1.55
Tungstic, 100 lb kgs. ....lb	...	: 1.00
Aconitine Alk. cryst. 1 oz. vis. oz.	...	: 23.00
Amorphous, 1 oz. vis. ....oz.	...	: 16.00
Adeps Lanae, hydrous 350 lb bbls lb	.18	: .20
Anhydrous, 350 lb bbls. ....lb	.22	: .24
ALCOHOL, USP 190 pf. 50 gal. bbls. ....gal	4.70	: 4.75
Second Hands, bbls. USP 190 pf. ....gal	4.60	: 4.65
Export, USP 190 pf. ....gal	.35	: .40
Cologne Spirit, 50 gal. bbls. gal	4.75	: 4.80
Wood, 95% 50 gal. bbls. ....gal	.70	: .72
97%, 50 gal bbls. ....gal	.72	: .73
Pure, meth. 50 gal. drums. gal	.80	: .82
Acetone free, 50 gal. drums. gal	.85	: .90
Second Hands, 95-97% bbls. gal	.68	: .70
Alcohols, also in 50 gal. drums, extra and returnable.	...	...
Amyl, see Oil Fuel	...	...

Alcohol—(continued)

Butyl, 50 gal. drums. ....lb	.20	: .22
Cinnamic, 1 lb bot. ....lb	15.00	: 16.00
Isobutyl, crude 50 gal. drums. gal	...	: 4.40
Refined, 10 lb can. ....lb	...	: .75
Isopropyl, crude 50 gal. drs. gal	...	: 2.25
Refined, 50 gal. drs. ....gal	4.00	: 4.50
Ref'd, 91%, drs. ....gal	...	: 3.50
Methyl, see Alcohol, Wood	...	...
Phenylethyl, see Phenylethylalcohol	...	...
Propyl, nml. crd 50 gal. drums. gal	...	: 4.40
Refined, 10 lb can. ....lb	...	: .75
Denatured	...	...
No. 1 Complete Denat. 188 Proof 50 gal. bbls. incl. ....gal	.34	: .36
50 gal. drums, extra. ....gal	.31	: .33
No. 1 Special Denat. 190 Proof 50 gal. bbls. incl. ....gal	.33	: .35
50 gal. drums, extra. ....gal	.28	: .30
No. 5 Complete Denat. 188 Proof 50 gal. bbls. incl. ....gal	.33	: .35
50 gal. drums, extra. ....gal	.28	: .30
No. 6 Complete Denat. 188 Proof 50 gal. bbls. incl. ....gal	.32	: .34
50 gal. drums, extra. ....gal	.27	: .29

In addition to the regular authorized formulas for completely depatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue. For prices on specially denatured alcohols not listed above, consult any of the alcohol producers.



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Snow Cap Brand 5% Tomahawk Brand 35%

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Chemicals

Aloln, USP 100 lb cases.....lb			.85	:	.93
Alpha-Naphthol, tech 300 lb bbls. lb			...	:	1.05
Ton lots, bbls. wks.....lb			...	:	1.00
Refused, 300 lb bbls.....lb			...	:	1.10
Alpha-Naphthylamine, 350 lb bbls. lb			...	:	.92
Ton lots, bbls. wks.....lb			...	:	.90
ALUM, Ammonia, lump 400 lb bbls					
wks. ....100 lb			...	:	3.50
Bbls. c/l wks.....100 lb			...	:	3.25
Contract, bbls c/lwks 100 lb			...	:	3.25
Imported, 650 lb casks. 100 lb			...	:	...
Ground, 400 lb bbls. wks. 100 lb			3.40	:	3.65
Powd., 380 lb bbls. wks. 100 lb			3.85	:	3.90
Chrome, 500 lb cks wks. 100 lb			5.00	:	6.00
Potash, lump 400 lb bbls.					
wks. ....100 lb			...	:	4.50
Bbls. c/l wks.....100 lb			...	:	4.25
Cont. bbls c/l wks.....100 lb			...	:	4.25
Imp. 650 lb casks sp. 100 lb			...	:	3.00
Ground, 400 lb bbls. wks. 100 lb			4.35	:	4.60
Powd., 380 lb bbls. wks. 100 lb			4.50	:	4.75
Chrome, 700 lb cks wks. 100 lb			5.50	:	6.00
Soda, grd. 400 lb bbls. wks. 100 lb			...	:	4.00
Bbls. c/l wks.....100 lb			...	:	3.50
Aluminum, metal, c/l NY.....100 lb			...	:	17.50
Chloride, anhyd. 275 lb drs. lb			.20	:	.22
30% sol. 120 lb clys.....lb			.03½	:	.04
Hydrate, light 90 lb bbls. ....lb			.17	:	.18
SULFATE, Iron-free bags c/l					
wks. ....100 lb			2.25	:	2.50
Contract bags. c/l wks. 100 lb			...	:	2.25
Imported, spot .....100 lb			2.10	:	2.25
Comm'L, ½ iron, bags. c/l					
wks. ....East 100 lb			...	:	1.50
Aluminum Sulfate—(continued)					
Cont. bags. c/l wks. E. 100 lb			...	:	1.40
Bags, c/l wks. W.....100 lb			...	:	1.35
Bbls., c/l wks. East. 100 lb			...	:	1.55
Bulk, c/l cont. wks. E. 100 lb			...	:	1.35
Amidol, (see Diaminophenol)					
Amidopyrine, 10 lb boxes.....lb			4.50	:	4.60
1 lb cartons, 10 lb boxes.....lb			...	:	4.60
Aminocyanobenzene, 110 lb kgs.....lb			...	:	1.15
AMMONIA anhyd. 100 lb cyl. lb			...	:	.30
Water, 26° 800 lb drs. wks. lb			...	:	.07½
Drs. c/l wks.....lb			.07	:	.07½
Imp., 800 lb drs incl spot. lb			...	:	.06
26°, 100 lb clys. lc/l wks. lb			...	:	.08½
Clys. c/l wks.....lb			...	:	.08½
20°, 800 lb drs. lc/l wks. lb			...	:	.06
Clys., lc/l wks.....lb			...	:	.07½
18°, 800 lb drs. lc/l wks. lb			...	:	.05½
Clys., lc/l wks.....lb			...	:	.07½
16°, 800 lb drs. lc/l wks. lb			...	:	.04
Clys., lc/l wks.....lb			...	:	.05
Ammonium Acetate, 100 lb kegs. lb			.35	:	.36
Benzonate, USP 1 lb bot.....lb			.85	:	.90
Bifluoride, 300 lb bbls.....lb			.22	:	.23
100 lb kegs .....lb			.23	:	.24
Bromide, 50 lb boxes.....lb			...	:	.29
Imported, 112 lb boxes.....lb			.16	:	.17
Carb., tech. 560 lb casks.....lb			.07	:	.07½
Powd., tech. 385 lb bbls. ....lb			...	:	.08½
USP, lump, 100 lb kegs.....lb			.07	:	.08
Powd., 100 lb kegs.....lb			.09	:	.10
Chloride, Domestic					
White gran. 250 lb bbls wks lb			...	:	.07%
Bbls., c/l wks.....lb			...	:	.07½
Gray 250 lb bbls. wks.....lb			.07%	:	.07%
Bbls. c/l wks.....lb			.07½	:	.07%
Ammonium Chloride—(continued)					
Imp., wh. 600 lb casks spot. lb			.06½	:	.06%
Gray, 600 lb casks spot. lb			.07½	:	.08
Lump, 500 lb casks spot.....lb			...	:	.16
Ichthyolate, as to brand.....lb			.75	:	3.00
Iodide, USP 25 lb jars.....lb			4.85	:	4.90
Lactate, 500 lb bbls.....lb			.15	:	.16
Nitrate, tech. crys. 225 lb bbls. lb			.05½	:	.06
CP gran. 100 lb kegs.....lb			.10	:	.22
Oxalate, pure, 100 lb kegs.....lb			...	:	.40
Persulfate, 112 lb cases.....lb			...	:	.50
Phosphate, dibasic 200 lb bbls. lb			.35	:	.36
Tech., powd. 325 lb bbls.....lb			.15	:	.17
Salicylate, USP 100 lb kegs. lb			.53	:	.55
Sulfate, bulk c/l wks.....100 lb			3.50	:	3.60
200 lb single bags c/l wks. 100 lb			...	:	3.60
200 lb double bags f.a.s. 100 lb			...	:	3.85
Sulfoeyanide, tech. 100 lb kgs. lb			.60	:	.53
CP 25 lb jars.....lb			...	:	.55
Amyl Acetate, tech 50 gal drs. gal			1.75	:	2.25
Pure, 5 gal. cans.....gal			4.00	:	6.00
Alcohol, sec Fusel Oil					
Butyrate, 1 lb bot.....lb			1.65	:	2.00
Formate, 1 lb bot.....lb			1.75	:	2.00
Salicylate, 100 lb clys.....lb			1.25	:	1.40
Anethol, 2 lb bot.....lb			1.75	:	2.50
ANILINE OIL, 900 lb drs. 5 drap. lb			.15	:	.16
Aniline Salt, 200 lb bbls.....lb			...	:	.20
Anisic Aldehyde, 1 lb bot.....lb			3.50	:	4.00
Anthracene, 40-45% 600 lb casks					
wks. ....lb			.12	:	.17
80-85%, 600 lb casks wks.....lb			.75	:	1.00
Anthraquinone, subl 125 lb bbls. lb			1.30	:	1.35
30% paste 350 lb bbls.....lb			.75	:	.80
Antimony metal. slabs ton lots 100 lb			...	:	6.50
Needle Powd., 100 lb cases.....lb			.06	:	.06½

TRADE

DOW

MARK

CARBON TETRACHLORIDE

Last year the use of Carbon Tetrachloride as a fumigant against wheat weevil was introduced. This material is particularly desirable as it is absolutely non-inflammable and can be used in sections where Underwriters rules will not permit the use of Carbon Bisulphide.

Can be supplied in 5-, 10- and 55-gallon drums.

THE DOW CHEMICAL CO.

Midland, Mich.


90 West St., New York



Chemicals

ANTIMONY CHLORIDE, anhyd 1000b			Benzaldehyde, tech. 945b drs.		
drs.	b	.35	wks.	b	.65
50b crocks	b	.45	USP, 25b cans.	b	1.40
Sol'n 130b carboys.	b	.12	FFC, 25b cans.	b	1.60
Oxide, 500b bbls.	b	.06%	BENZENE, 90% 8000 gal. tanks		
Sulide, golden 500b bbls.	b	.16	wks.	gal	.27
336b kgs	b	.18	110 gal. drs. wks.	gal	.32
Crimson, 500b bbls.	b	.35	CP Tanks, wks.	gal	.30
336b kgs	b	.37	110 gal. drs. wks.	gal	.35
Red, 500b bbls.	b	.40	Benzidine Base, dry 250b bbls. b		.87
336b kgs	b	.41	10 bbl. lots.	b	.85
Tartrolactate, 500b bbls.	b	.45	Benzidine Sulfate, paste 350b		
Antipyrine, USP 100b cases.	b	2.05	bbls.	b	.70
Apomorphine Hydrochloride, 1/4 oz. vis. oz.		16.85	Benzol, see Benzene		
Arecoline Hydrobromide, 1 oz. vis. oz.		8.50	Benzonaphthol, 5b boxes.	b	2.50
Argols, red powd. 350b bbls.	b	.07	Benzoyl Chloride, 500b drs.	b	1.00
Arsenic, metal 220b cases.	b	.23	Benzyl Acetate, 100b chys.	b	1.15
Red, 224b kgs cases.	b	.12	Alcohol, 5b bot.	b	1.10
White, 550b bbls 1c/l.	b	.09	Benzoin, 5b bot.	b	1.30
110b kgs 1c/l.	b	.09%	Chloride, 95% tech. 925b drs. b		.20
Aspirin, see Acid Acetylsalicylic			100b chys.	b	.25
Atropine Alk. USP 1 oz. vis.	os	9.00	Redistill. 100b chys.	b	.35
Sulfate, 5 oz in 1 oz vials.	os	3.60	Formate, 1b bot.	b	3.75
BARIUM DIOXIDE, see Barium chloride			Berberine Hydrochloride, 1b bot.	b	22.00
Carbonate, precip. 800b bbls.			Sulfate, acid or neut. 1b bot. b		21.00
wks.	ton	75.00	Sublimed.	b	.50
Imports, bbls. spot.	ton	70.00	Beta-Naphthylamine, tech. 200b		
Precip., 200b bgs, wks.	ton	75.00	bbls.	b	.95
Chloride, 800b bbls. wks.	ton	95.00	Sublimed, 200b bbls.	b	1.50
200b bgs. wks.	ton	85.00	Bichloride Mercury, see Mercury Bichloride		
Import, bbls. spot.	ton	95.00	BISMUTH metal, 150b cases.	b	2.44
Dioxide, 780b drs.	b	.18	Ammon. Citrate, USP 5b bxs.	b	5.30
Import, 500b drs.	b	.18	Betanaphtholate, 5b bxs.	b	2.95
Hydrate, 500b bbls.	b	.05	Citrate, USP 5b bxs.	b	2.55
Iodide, 5b bot.	b	5.10	Nitrate, 25b jars.	b	1.64
Nitrate, 700b cases.	b	.09%	Oxychloride, 250 bbls.	b	2.92
Import, cases.	b	.07%	Phenolsulfonate, 5b cans.	b	2.80
Sulfocyanide 400b bbls.	b	.35	Salicylate, 250 bbls.	b	1.75
Barytes, floated 350b bbls.	ton	33.50	Subbenzoate, 5b boxes.	b	2.88
Bay Rum, Porto Rican, genuine			Subcarbonate, USP 250 bbls.	b	2.77
Denat. salicy acid or tartar emetic			X-Ray diag. 1b bot.	b	3.12
45 gal. bbls.	gal	3.17	Subgallate, USP 175 bbls.	b	2.36
Denat. quinine sulf. 45 gal.			Subiodide, 5b lots.	b	4.23
bbls.	gal	3.50			
Domestic synthetic, 50 gal.					
bbls.	gal	1.50			

Bismuth—(continued)		
Subnitrate, USP 250 bbls.	b	2.45
Second Hands, bbls or less.	b	2.35
Cones, 1b bot.	b	3.45
Subsalicylate, USP 175 bbls.	b	2.58
Tannate, 1b bot.	b	2.33
Bismuth Preparations quoted above on basis 25b lots.		
Smaller lots at an advance.		
Blanc Fixe, dry 400b bbls. wks.	ton	80.00
Imported, bbls.	ton	85.00
Paste, 650b bbls.	ton	40.00
BLEACHING POWDER, 700b drs.		
c/l wks.	100b	2.00
Drums 1c/l ex-warehouse.	100b	2.25
Contract, c/l wks.	100b	2.00
F. a. s. c/l.	100b	...
Imported, spot.	100b	...
Blue Ointment, see Mercury		
Mass, see Mercury		
Bone Ash, 100b kgs.	b	.10
Black, 200b bbls.	b	.06
Borax, USP cryst. 400b bbls.	b	.05%
Powdered, USP 300b bbls.	b	.06%
Kegs, USP 100-150b.	b	.06
Borneol, 1b bot.	b	3.50
Bromide, see potass. bromide, etc.		
Bromine, bot. in 60b ex. wks.	b	.25
Bromobenzene, 600b drums.	b	.35
Bromoform, USP 5b bot 50b ex. b		1.45
Bromistrol, 25b kgs.	b	3.50
Bucine Sulfate, 1 oz. vis. 100 cases.	os	.20
Butter of Antimony, see Antimony Chloride		
CADMIUM, metal 100b bxs.	b	1.50
Bromide, 50b cases jars.	b	.95
Iodide, 10b bot.	b	4.20
CAFFEINE ALK. USP 5b cans.	b	3.75
Second Hands.	b	3.60
Hydrochloride, 1b bot.	b	7.12
Sulfate, 1b bot.	b	5.52
Citrate, 25b cans.	b	3.00
Hydrobromide 1b bot.	b	5.07
CALCIUM Acetate, 150b bgs, c/l		
wks.	100b	2.75
Arsenate, 100b bbls. c/l wks. b		.09
Bbls. 1/1 wks.	b	.11



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Chemicals

Calcium Carbide, 220 lb dr c/wks lb04 1/2	Carbon Bisulfide, 500 lb dr. NY.. lb	.06	.06 1/2	Chromium Acetate, 20° soln. 400 lb		
Drums 1c/l wks..... lb	...	.05	Ton Lots, drs, NY..... lb	.06	.06 1/2	bbls. lb	.08	.10
Carbonate, tech. 100 lb bags	...		Carbon Black, 10 lb bag 10 bag			Fluoride, crys. 400 lb bbls... lb	...	...
c/l 100 lb	1.00	1.10	lots lb	.10 1/2	.18	Soln. 400 lb bbls..... lb	...	...
USP, precip. 175 lb bbls... lb	...	.04	Carbon Tetrachloride, 1400 lb dr.			Sulfate, 400 lb bbls..... lb	.07	.09
Chloride, solid, 850 lb drs. c/l	...		NY..... lb	...	.10	Chrysarobin, USP 5 lb cans... lb	1.70	1.90
f o b NY..... lb	...	24.50	Drums, c/l NY..... lb	.08 1/2	.09	Cinchonidin alk., 100 oz. tins... oz	.70	.75
Gran., 350 lb drs. c/l f o b	...		700 lb dr single NY..... lb	...	.10	Sulfate, 100 oz. tins..... oz	...	.50
NY..... lb	...	30.50	Carmine, No. 40 5 lb boxes..... lb	4.40	4.50	Cinchonine alk., 100 oz. tins... oz	.38	.43
Flake 330 lb drs. c/l drs. fob	...		Casein, edib. 100 lb keg..... lb	.45	.50	Sulfate, 100 oz. tins..... oz	...	.25
NY..... lb	...	30.50	Technical, 200 lb bbls..... lb	.15	.18	Cinnamic Alcohol, see Alcohol Cinnamic		
Imp., solid 600 lb drs. spot. ton	...	20.50	Castoreum, 1 lb boxes..... lb	4.00	4.50	Cinnamic Aldehyde, 1 lb bot.... lb	3.25	3.75
Anhyd., 350 lb drs. fob NY.. lb	.12	.13	Castor Oil, USP 50 gal. bbl..... lb	...	.13	Citral, 25 lb cans..... lb	3.00	3.50
Glycerophosphate, 250 lb bbls... lb	1.55	1.60	Cases, 80 lb 2 tins..... lb	...	.14	Citrine Ointment, see Mercury		
Iodide, 5 lb bot..... lb	...	4.20	Tech., see Fixed Oils			Citronellal, 1 lb bot..... lb	1.75	2.00
Lactate, tech. 500 lb bbls... lb	...	.13 1/2	Caustic Potash, see potash, caustic			Citronellol, 1 lb bot..... lb	8.00	10.00
Nitrate, 220 lb bbls. c/l NY.. ton	...	40.00	Soda, see soda, caustic			Cobalt metal, 100 lb kegs..... lb	...	3.00
Phosphate, precip. 350 lb bbls... lb	.10	.12	Cerium Oxalate, USP 100 lb kgs. lb	.40	.42	Cobalt Oxide, 500 lb bbls..... lb	...	2.10
Phosphate, precip. tribasic 350			Chalk, drop 175 lb bbls..... lb	.03 1/2	.03 1/2	10 lb tins 200 lb cases..... lb	...	2.35
lb bbls..... lb	.12	.13	Precip. light 175 lb bbls..... lb	.04	.05	COCAINE alk., USP 10 oz. tins. oz	8.00	10.00
Phosphate, mono..... lb	.06 1/2	.07 1/2	Precip. heavy 500 lb casks..... lb	.03 1/2	.04	Hydrochloride, USP 25 oz.		
Sulfocarbolate, 100 lb kegs... lb	...	.48	Charcoal, Bone, see bone black			tins oz	7.00	7.50
Calomel, see Mercury			Wood, powd. 100 lb bbl..... lb	.04	.05	In crystals, granular, powder,		
CAMPOR, Amer. ref. 250 lb			Willow, powd. 100 lb bbl..... lb	.06	.07	or flaky crystals as desired.		
bbls. lb	...	.90	Chloral Hydrate, USP 100 lb drs. lb	...	.75	Cocoa Butter, bulk 200 lb bales. lb	.32	.33
1 lb cakes, 100 lb cs..... lb	...	.91 1/2	25 lb jars lb	...	.76	Fingers, cakes, etc. 12 lb boxes. lb	.35	.36 1/2
1 oz. tab., 1 lb ctns..... lb	...		Chinoidin, 170 lb cases..... lb	.65	.75	CODEIN alk., 5 oz. cans 10 oz		
100 lb cs..... lb	...	.95	Chlorhydrin, Ethylene anhyd. 1000 lb			lots oz.	...	7.30
1/2 oz. tab., 1 lb ctns..... lb	...	.96	40% soln. 100 lb cys..... lb	1.50	1.60	Hydrobromide, 10 ozs..... oz	...	5.85
100 lb cs..... lb	...	.89	CHLORINE, Liquid 2000 lb cyl.	.30	.35	Hydrochloride, 10 ozs..... oz	...	6.55
Jap. ref. 2 1/2 lb slabs, 100 lb	...		c/l wks..... lb	.05	.05 1/2	Nitrate, 10 ozs..... oz	...	6.55
cs..... lb	...	1.00	Tank car lots wks..... lb	.05	.05 1/2	Phosphate, 10 ozs..... oz	...	5.50
1 oz. tab. 100 lb cs. 1 lb	...		100 lb cyl 1c/l wks..... lb	.05 1/2	.07 1/2	Salicylate, 10 ozs..... oz	...	5.50
tins lb	...	1.03	Chlorobenzene, mono. 1000 lb drs.	.10	.11	Sulfate, 10 ozs..... oz	...	5.85
Chinese ref. 2 1/2 lb slabs 100 lb	...		wks..... lb	...	.09	Small Sizes, 1/2 oz. vials, 50c extra,		
cs..... lb	...	.89	Dr. c/l wks..... lb	...	.08	1/2 oz. 25c. extra, singles 7c extra		
Crude, 100 lb cs..... lb	.72	.75	Tank car lots wks..... lb	...	.25	per oz.—25 oz. lots, 10c ea. cheaper		
Camphor, Monobrom. 100 lb cs... lb	1.70	1.85	CHLOROFORM, USP 50 lb drs... lb	...	.22	than above.		
Caramel, 50 gal. bbls..... gal	.60	.62	Second Hands, 650 lb drums... lb	...	.23 1/2	COD LIVER OIL, Norwegian, 30 gal.		
Carbasol, 250 lb bbls..... lb	.75	.80	Technical, 650 lb drums..... lb	...		bbls. bbl	22.00	24.00
						Newfoundland, 30 gal. bbls. bbl	20.00	21.00

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78 FRONT ST., NEW YORK CITY

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Chemicals

GLYCERIN, C. P. 100 lb drs.18	: .13½	INDOL, C. P. 1 oz. bot.	10.00	: 11.00	Lead—(continued)		
Second Hands, drs. . . . .	..	: .17½	Iodides, see Potass. Iodide, etc.			Arsenate, 100 lb bbls. 1c/1 wks. D	.12	: .13
Cans, 50 lb . . . . .	..	: .19½	IODINE, crude, 200 lb kegs.	3.90	: 3.95	Bbls. c/1 wks. . . . .	..	: .11½
Dynamite, 1000 lb drs. . . . .	.17	: .17½	Resublimed, 10 lb jars. . . . .	..	: 4.40	Paste, 600 lb bbls. . . . .	.09	: .10
Saponification, tanks . . . . .	.12½	: .12½	Tincture, USP 50 gal. bbls. gal	..	: 4.25	Iodide, USP VIII 5 lb bot. . . . .	..	: 3.00
Soap, Lye, tanks. . . . .	.11½	: .11½	Iodoform, powd. 10 lb bot. . . . .	..	: 5.35	Nitrate, 500 lb bbls. wks. . . . .	..	: .22
Goa Powder, see chrysarobin			Crystals, 10 lb bot. . . . .	..	: 6.35	Oxide, lithga. 500 lb bbls. wks. D	..	: .08
Graphite, crude 220 lb bags.	15.00	: 35.00	Ionone, (violet) 1 lb bot.	5.50	: 8.00	100 lb kegs wks. . . . .	..	: .13½
Flake, 500 lb bbls. . . . .	.06	: .09	Iridium, metal 100w lots. . . . .	..	: 350.00	Oxide, red 500 lb bbls. wks. . . . .	..	: .09
Gualacol Liquid, USP 25 lb cans. D	2.75	: 3.00	Iron, metal by hydrogen 1 lb bot. D	..	: .60	100 lb kegs wks. . . . .	..	: .12½
Benzate, 1 lb bot. . . . .	..	: 13.00	IRON & AMM. CITRATE, USP 25 lb			Peroxide, 100 lb drs. . . . .	..	: .25
Carbonate, 5 lb boxes.	3.25	: 3.75	cans . . . . .	..	: .84	White, basic carb. 500 lb bbls.	..	: .07½
HAARLEM OIL, Dom. 6 gr. cs. gross	..	: 3.50	Green scales, 25 lb cans. . . . .	..	: .84	Bbls. c/1 wks. . . . .	..	: 6.28
Imported, 6 gr. cases.	5.25	: 5.35	Cacodylate, 10 lb bot.	9.00	: 10.00	100 lb kegs wks. . . . .	..	: .12½
Hellotropin, 10 lb bot.	2.25	: 2.50	Citrate, USP VIII 25 lb cans. D	..	: .99	White, sulfate 500 lb bbls. wks. D	..	: .07½
Hexamethylenetetramine, USP			Chloride, see ferric or ferrous			Bbls. c/1 wks. . . . .	..	: 6.28
100 lb drums . . . . .	.82½	: .85	Hypophosphite, 5 lb cans.	1.50	: 1.60	100 lb kegs wks. . . . .	..	: .12½
Rubber Makers, Impalp. Pd.			Syrup, USP VIII. . . . .	..	: .30	LIME, Salts, see Calcium Salts		
Second Hands, USP. . . . .	.85	: .86	Iodide, 1 lb bot. . . . .	..	: 3.80	Hydrate, 200 lb bbls. . . . .	.75	: 1.00
Homotropine Hydrobrom. USP 1 oz.			Syrup, USP 5 lb bot. . . . .	.38	: .39	Sulfur, dry 200 lb drs. NY. . . . .	.11	: .12
vis.	15.00	: 16.00	Oxalate, scales 25 lb cans. . . . .	.80	: .82	Dra. c/1 NY. . . . .	..	: .10½
Hydrastine Alk., USP 5 oz. ¼s			& Ammon. Oxalate, 25 lb bxs. D	.45	: .50	38° Soln. 50 gal. bbls. NY. gal	..	: .
vis.	17.50	: 18.00	& Potassium Oxalate, 25 lb bxs. D	.47	: .48	Linalool, 5 lb bot.	4.50	: 5.50
Hydchlide, USP 5 oz. ¼s vis.	17.50	: 18.00	& Sodium Oxalate, 25 lb bxs. D	.40	: .42	Linalyl Acetate, 1 lb bot.	8.00	: 9.00
Sulfate, 5 oz. ¼s vis. . . . .	..	: 20.00	Phosphate, USP 25 lb cans. . . . .	..	: .89	Benzoate, 1 lb bot.	18.00	: 14.00
Hydrastine Hydchlide, USP 16 gr.			Pyrophosphate, USP 25 lb			Litharge, see lead oxide		
vis. . . . .	..	: 60.00	cans . . . . .	.90	: .97	Lithium Carb. USP 100 lb kegs. D	1.40	: 1.50
Hydrosobenzene, 100 lb kegs.	1.30	: 1.35	Iso-Eugenol, 1 lb bot.	4.00	: 4.50	Citrate, USP 100 lb kegs.	1.60	: 1.70
HYDROGEN PEROXIDE, 25 vol. 400 lb			JALAP RESIN, lump 5 lb tins.	3.10	: 3.35	Lithopone, 400 lb bbls. 1c/1 wks. D	..	: .08½
bbls. . . . .	..	: .10	Powd., tins	3.25	: 3.45	Bbls. c/1 wks. . . . .	..	: .06
USP Soln. 375 lb bbls. . . . .	..	: .04½	KIESELGUHR, 90 lb bags NY.	35.00	: 40.00	Imported, bbls. . . . .	.08½	: .05½
USP bot. 4 oz. cases.	7.50	: 7.75	LANOLIN, see Adeps Lanae			MAGNESITE, crude . . . . .	..	: 15.00
Bot. 8 oz. cases.	11.00	: 11.25	LEAD, metal, c/1 NY. . . . .	..	: 6.25	Calcined, 500 lb bbls. . . . .	..	: 55.00
Bot. 16 oz. cases.	18.50	: 18.75	Acetate, white crystals 500 lb			Magnesium mtl., sticks 100 lb cs. D	..	: 1.25
Hydroquinone, 100 lb kegs.	1.10	: 1.15	bbls. wks.	10½	: .11	Carb. tech. 70 lb bags NY. . . . .	..	: .07½
Hyosine Hydrobrom. USP 1 oz.			100 to 250 lb kegs. wks. . . . .	.11	: .11½	75 lb bbls. NY. . . . .	..	: .08
vis.	17.00	: 17.50	White, broken, bbls. wks. . . . .	.10	: .10½	USP, 60 lb bbls. . . . .	.12	: .13
Hyosamine Alk. Cryst., 1 oz. vis. . . . .	..	: 21.00	White, gran., bbls. wks. . . . .	.10½	: .10½	osa. . . . .	.25	: .29
Alkaloid, Amorphous, 1 oz. vis. . . . .	..	: 60.00	White, powd., bbls. wks. . . . .	.11½	: .11½	Chloride, fused 575 lb drs. c/1	..	: 32.00
Hydrobromide, USP 1 oz. vis. . . . .	..	: 30.00	Kegs, wks. . . . .	.11½	: .12½	Flaked, 350 lb drs. wks. . . . .	..	: 34.00
Sulfate, 1 oz. visals. . . . .	..	: 19.00	Brown, broken, bbls. wks. . . . .	.09½	: .09½	Imp., fused 900 lb bbls. NY. ton	26.00	: 28.00
			USP, 100 lb kegs. . . . .	.13	: .15			

Do not make the mistake of
ordering just Formaldehyde

INSIST ON



"America's Standard"

Perth Amboy Chemical Works,
New York

Chemicals

Magnesium—(continued)			Mercury—(continued)		
Fluocilicate, crystal #400 lb. bbls.			Red Precip. USP 25 lb. bxs.. lb	1.28	
Wks. ....	.15	15%	Powder, USP 25 lb. bxs.. lb	1.38	
30% soln. 500 lb. bbls. wks.. lb	.07	.08	White Precip. USP 25 lb. bxs.. lb	1.39	
Soln. bbls. c/l wks.. lb		.06	Powder, USP 25 lb. bxs.. lb	1.44	
Glycerophosphate, 5 lb. tins.. lb	3.35		With chalk, USP 25 lb. bxs.. lb	.62	
Hypophosphite, 5 lb. cans.. lb	1.20		Meta-Nitroaniline, 300 lb. bbls.. lb	.75	
Oxide, USP light 100 lb. bbls.. lb	.53		Meta-Nitro-para-Toluidine, 300 lb. bbls.. lb	2.25	2.30
USP, heavy 250 lb. bbls.. lb	.40		Meta-Phenylenediamine, 300 lb. bbls.. lb	1.50	1.60
Peroxide, 5 lb. cans.. lb	2.15		Meta-Toluylenediamine, 300 lb. bbls.. lb	.95	1.00
Perborate, 1 lb. tins.. lb	2.50		Methyl Acetone, 700 lb. drums.. gal	.50	.55
Salicylate, 100 lb. kgs.. lb	.62		Anthraniolate, 1 lb. bot.. lb	2.75	3.00
Sulfate, see Epsum Salts			Chloride, 90 lb. cyl.. lb		.50
Manganese Chloride, 600 lb. can.			Cinnamate, 1 lb. bot.. lb	5.00	5.75
NY .....	.09%	.10%	Paracresol, 1 lb. bot.. lb	8.00	9.00
Borate, 200 lb. bbls.. lb		.15	Salicylate, USP 50 lb. cases.. lb		.41
100 lb. kgs.. lb		.19	500 lb. drums.. lb		.39
Dioxide, 80-84% 900 lb. bbls. NY	80.00	85.00	Second Hands, cases.. lb	.40	.41
85-90%, 900 lb. bbls. NY.. ton	85.00	90.00	Methylene Blue, tech. 100 lb. kgs.. lb	1.75	2.00
Hydrated, precip. 100 lb. kgs.. lb	.32	.35	USP, medicinal 5 lb. cans.. lb	3.00	3.50
Glycerophosphate, 5 lb. tins.. lb	3.05		Michler's Ketone, 225 lb. bbls.. lb		3.00
Hypophos. USP VIII 5 lb. cans.. lb	1.85		Milk, powd. 150 lb. bbls.. lb	.14	.15
Iodide, 1 lb. bot.. lb	6.25		Milk Sugar, see sugar of milk		
Ore, bulk NY .....	.30		Mineral Oil, see oil mineral		
Sulfate, 600 lb. cases NY.. lb	.10	.11	Monochlorobenzene, see chlorobenzene		
MENTHOL, USP 60 lb. cases.. lb	6.25		Monoethylaniline, 900 lb. drs.. lb	1.00	1.05
Less cases, 5 lb. tins.. lb	6.40	6.50	MORPHINE Sulfate, USP 5 oz. tins		
MERCURY, metal 75 lb. flask.. flask			10 oz.	5.35	
Low Flasks, 5 lb. jugs.. lb	.90	1.00	Acetate, 5 oz. tins 10 oz. lots.. oz		5.35
Bichloride, cryst. 25 lb. bxs.. lb	1.10		Hydrobromide, 5 oz. tins 10 oz. lots ..		5.35
Gran. powd. 200 lb. kgs.. lb	.95		Hydride, 5 oz. tins 10 oz. lots ..		5.35
Bigulfate, 25 lb. boxes.. lb	.75		Diacetyl Alk., 1/2 oz. vis. 10 oz.		8.95
Blue Mass, 25 lb. boxes.. lb	.62		Hydride, 1/2 oz. vis. 10 oz.		8.10
Powdered, 25 lb. boxes.. lb	.64		Ethyl Hydride, 1/2 oz. vis. 10 oz.		9.45
Blue Ointment, USP 25 lb. cans			Small Sizes: 1/4 oz. visals, 50c extra;		
50% .....	.80		3/4 25c extra; single oz. vis., 7c extra,		
USP, dilute 25 lb. cans 30% ..	.62		lots in 5 oz. tins, 10c oz. lower than		
33 1/3% Mercury .....	.67		above schedule.		
Calomel, 50 lb. bxs.. lb	1.15				
Citrine Ointment 25 lb. jars.. lb	.50				
Iodide, green 25 lb. jars.. lb	3.66				
Red, USP 25 lb. jars.. lb	3.76				
Yellow, USP VIII 25 lb. jars.. lb	3.66				

Musk Ambrette, 1 lb. cans.. lb	12.00	14.00
Ketone, 1 lb. cans.. lb	9.00	10.00
Xylene, 5 lb. cans.. lb	2.25	2.75
NAPHTHA, Solvent, 110 gal. drs.		
Wks. ....		.30
8000 gal. tank car wks.. gal		.37
NAPHTHALENE, Flasks, 175 lb. bbls.		
Wks. ....	.07%	.08
Bbls. c/l wks.. lb		.07
Bbls. second hands NY.. lb	.08%	.07%
Balls, 250 lb. bbls. wks.. lb		.08%
Bbls. c/l wks.. lb		.08
Bbls. Second Hands, NY.. lb	.07%	.08
Nerolin, 1 lb. tins.. lb	2.00	2.50
Nickel Metal, electrolytic 100 lb.		
kgs .....		.36
Shot, 100 lb. kgs.. lb		.37
Salt, single 400 lb. bbls. NY.. lb	.07%	.08
Double, 400 lb. bbls. NY.. lb	.08	.09
Oxide, 100 lb. kgs NY.. lb	.40	.43
Nitro Cake, bulk wks.. ton		6.00
500 lb. bbls		7.50
Nitrobenzene, crude 1000 lb. drs.		
Wks. ....	.08%	.09%
Redistilled, 1000 lb. drs. wks.. lb	.09	.10
Nitronaphthalene, 550 lb. bbls.. lb	.30	.32
Nitrotoluene, mixed 1000 lb. drs.		
Wks. ....	.14	.16
Oil Fuel, see Fuel Oil		
OIL MINERAL, wh. 50 gal. bbls.. gal	.75	1.25
Oil Mirbane, see nitrobenzene		
Opium, see crude drugs		
Orange Mineral, 800 lb. cases NY.. lb		.13%
500 lb. bbls. NY.. lb		.14
Ortho-Aminophenol, 50 lb. kgs.. lb	2.50	2.60
Ortho-Anisidine, 100 lb. drs.. lb	2.00	2.10
Ortho-Dichlorobenzene, 1000 lb. drs.		
Wks. ....	.15	.17
Ortho-Nitrochlorobenzene, 1200 lb. drs. wks. ....	.32	.35
Ortho-Nitrophenol, 350 lb. bbls.. lb	.72	.75
Ortho-Nitrotoluene, 1000 lb. drs.		
Wks.16	.18
Ortho-Toluidine, 350 lb. bbls.. lb	.16	.20
Oxgall, USP 5 lb. bot.. lb		1.50

1816

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Chemicals

PALLADIUM , metal 10 oz. lots.....	51.00	: 53.00	PETROLATUM , green 300 lb bbls. lb	.02%	: .03	Podophyllin, 5 lb bot.....	4.25
Pancreatin , USP 5 lb bot.....	1.50	: 1.60	Dark Amber, 300 lb bbls.....	.04	: .04%	POTASH, CAUSTIC , solid 88-92%	
Papain , 1 lb bot.....	2.15	: 2.25	Light Amber, 300 lb bbls.....	.04%	: .05	700 lb drs. wks.....	.09 : .10
Paraffin , ref'd. 200 lb cs. slabs			Cream White, USP 300 lb bbls. lb	.07	: .07%	Drs. c/l wks.....	.08
120-125 Deg. M. P.....	.03%	: .03%	Lily White, USP 300 lb bbls. lb	.09	: .09%	Imp., 88-92% 700 lb drs. NY. lb	.05% : .06%
125-130 Deg. M. P.....	.04	: .04%	Snow White, USP 300 lb bbls. lb	.12	: .12%	USP, by alcohol 5 lb cans.....	.45
130-135 Deg. M. P.....	.04	: .04%				USP, purified 10 lb cans 120 lb	
135-140 Deg. M. P.....	.05	: .06%				cases.....	.30 : .35
Para-Aminoacetanilid , 100 lb			PHENOL , see also acid carbolie			POTASSIUM Acetate , USP 100 lb	
kegs.....	1.25	: 1.35	Open market, 950 lb drs.....	.22	: .24	kegs.....	.28 : .29
Para-Aminophenol , 100 lb kegs.....	1.10	: 1.25	475 lb drs.....	..	: ..	Bicarbonate, crys. 220 lb bbls. lb	.07% : .10
Hydrochloride , 100 lb kegs.....	1.20	: 1.25	Natural 950 lb drs. wks.....	..	: .20	Bichromate, crys. 900 lb casks	
Para-Anisidine , 100 lb kegs.....	3.00	: 3.25	475 lb drs. wks.....	..	: .20	wks.....	.10 : .11
Technical , kegs.....	1.65	: 1.75	Phenolphthalein , USP 100 lb drs. lb	1.40	: 1.50	Powd., 900 lb casks wks.....	.13 : .13%
Para-Dichlorobenzene , 270 lb bbls.			5 lb cans, 100 lb lots.....	1.45	: 1.55	Stoxolate , 300 lb bbls.....	.34 : .38
wks.....	.17	: .20	Phenylacetaldehyde , 1 lb bot.....	7.50	: 9.00	Bisulfate , C.P. 5 lb cans.....	.30
Paraldehyde , 100 gal drs.....	.21	: .23	Phenylacetic Acid , 1 lb bot.....	2.50	: 3.00	100 lb kegs.....	.32
Paraformaldehyde , USP 100 lb cs. lb	.45	: .50	Phenyl-Alpha-Naphthylamine 100 lb			BROMIDE , USP cryst. 450 lb	
Para Nitroacetanilid , 300 lb			kegs.....	..	: ..	bbls.....	.22
bbls.....	.55	: .60	Phenylethylalcohol , 1 lb bot.....	4.00	: 5.00	Granular, 300 lb bbls.....	.22
PARA-NITROANILINE , 300 lb bbls.			Phosgene, cylinders wks.....	.60	: .65	Cases, 100 lb.....	.33
wks.....	.73	: .78	Phosphorus Oxide , 175 lb cyl. lb	.30	: .35	Imported, USP 220 lb cs.....	.16 : .18
Para-Nitrochlorobenzene , 1200 lb drs.			Phosphorus , red 110 lb cs. wks. lb	..	: .50	Cases, 112 lb.....	.18
wks.....	.25	: .27	Imported, 112 lb cases.....	.25	: .27	CARBONATE , 30-85% calc.	
Para-Nitro-ortho-Toluidine , 300 lb			Phosphorus Sesquisulfide , 105 lb cs.	..	: .42%	800 lb cks.....	.04% : .05
bbls.....	2.75	: 2.85	wks.....	..	: .25	80-85%, hydrated, 800 lb	
Para-Nitrophenol , 185 lb bbls.....	.72	: .75	Phosphorus , yellow 110 lb cs. wks. lb	.25	: .35	cks.....	.06% : .08%
Para-Nitrodimethylaniline , 120 lb			Imported, 112 lb cases.....	..	: .28	90-95% casks.....	.05% : .06
bbls.....	..	: ..	Phosphorus Trichloride , 175 lb cyl	.30	: .35	96-98% casks.....	.06% : .08%
Para-Nitrotoluene , 350 lb bbls.....	.60	: .75	wks.....	..	: .35	USP, 100 lb kegs.....	.09 : .10
Para-oxy-Benzaldehyde , 100 lb			Pilocarpine Hydrochloride , USP 1 oz.	7.00	: 7.25	Chlorate, crys. 112 lb kgs. NY. lb	.09
kegs.....	1.50	: 1.60	via.....oz.	7.00	: 7.25	Imp. 112 lb kegs NY.....	.07% : .08
Para-Phenetidin , 500 lb drs.....	1.35	: 1.40	Nitrate, 1 oz. via 25 oz.....oz	7.00	: 7.25	Powd., 112 lb kegs NY.....	.07% : .08
Para-Phenylenediamine , 350 lb			Phthalic Anhydride, 175 lb bbls. lb	.35	: .40	Imp. kegs NY.....	.07
bbls.....	1.50	: 1.60	Alkaloid, 15 gr. vis.....ea	..	: 1.25	Pyrotechnic, fine powd. NY. lb	.08 : .09
Para-Toluene-Sulfonamide , 175 lb			Piperazine Hydrate, 1 lb bot.....	..	: 16.00	USP, fine crys. 110 lb kegs	
bbls.....	.40	: .42	Pitch, Coal-Tar wks.....ton	30.00	: 33.00	NY.....	.08 : .09
Para-Toluene-Sulfonchloride , 410 lb			Plaster Paris, tech. 230 lb bbls. bbl	4.25	: 4.40	Citrate , USP 10 lb cans.....	.85
bbls.....	.11	: .14	True Dental, bbls.....bbl	4.35	: 4.50	Glycerophosphate, 75% Soln. 25 lb	
Para-Toluidine , 350 lb bbls. wks. lb	.95	: 1.10	Platinum, metal soft 10 oz. lots.....oz	..	: 118.00	thrs.....	1.65 : 1.70
Paris Green , basis, 500 lb kegs.....	.20	: .21					
1 lb Packages.....	.22	: .23					
Paris White , see whitening, French							
Pepsin , USP 5 lb bot.....	2.50	: 2.75					



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Barium Nitrate
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Strontium Carbonate
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Specifications on Request

Potassium—(continued)

Quinacridone—(continued)		5 lb cans,	
10 lb	.....	1.50	1.75
Hypophosphite, 100 lb cans	.....	..	.85
Iodide, USP, 100 lb cans	.....	..	3.45
Second Hands, cans	.....	3.35	3.40
Lactophosphate, 40s bot.	.....	..	.90
Metabisulfite, 300 lb bbls.	.....	..	.23
Imp., 300 lb bbls.	.....	.12	.14
Muriate, 80%, 300 lb bags, NY			
	K ₂ O unit	.62½	.65
Nitrate, see Saltpetre			
Oxalate, neutral, 100 lb kegs.	.....	.40	.50
Perchlorate, 112 lb kegs.	.....	.12	.14
Pernangan, USP cry, 112 lb drs.	.....	.17	.18
USP small cry, 112 lb drms.	.....	.17	.18
Prussiate, red, 350 lb bbls.	.....	.90	.95
500 lb casks	.....	..	..
Prussiate, yellow, 500 lb casks.	.....	.37	.38
Salicilate, 25 lb cans	.....	..	.67
Sulfate, 200 lb bags, NY K ₂ O unit	.....	..	1.00
USP, VIII, 100 lb kegs.	.....	.18	.20
Sulfoxyanide, CP 25 lb jars	.....	..	.75
Tartrate, neutral, 25 lb cans.	.....	..	.60
Titanium Oxalate, 200 lb bbls.	.....	..	..
freight allowed	.....	..	.35
Fumice Stone, lump, 250 lb bbls.	.....	.04	.06
Powdered, 350 lb bbls.	.....	.02½	.03½
Frydline, 50 gal drums	.....	1.50	1.75
QUICKSILVER, see Mercury			
Quinidine Alk, 1000s tins	.....	.70	.75
Sulfate, 1000s time	.....	..	.50
QUININE SULFATE, USP,			
American, 1000s tins	.....	..	.50
10s time, 1000s lots	.....	..	.57
Dutch, 1000s tins	.....	..	.50
Java, 1000s tins	.....	..	.50
Japanese, 1000s tins	.....	..	.50
QUININE ALK., USP, 1000s tins			
Acetate	.....	..	.67
Amesate	.....	..	.88
Benzoate	.....	..	.88
Bisulfate	.....	..	.50
Citrate	.....	..	.62
Dihydrochloride, USP	.....	..	.66

Quinine—(continued)

Dibromide	.08		.60
Dicarbonate, 10oz tins	.08		2.50
Ethyl Carbonate, 10oz tins	.08		1.10
Ferrocyanide	.08		.88
Formate	.08		.85
Glycerophosphate	.08		.88
Hydriodic	.08		.88
Hydrobromide, USP	.08		.82
Hydrochloride, USP	.08		.62
Hydromercuriate	.08		.66
Hydride & Urea, USP	.08		.88
Hypophosphite	.08		.83
Lactate	.08		.78
Phenolsulfonate	.08		.88
Phosphate	.08		.74
Salicylate, USP	.08		.63
Tannate, USP	.08		.45
Tartrate	.08		.88
Valerate	.08		.89
 Small Sizes: 1oz vials or cans,			
50oz. lots, 5c os extra; 5os cans			
50oz lots 3c os extra; 25oz cans			
50oz lots, 2c os extra; single lrs			
vials or cans, 5c extra. All minor			
quinine salts sold and quoted as			
100oz lots in 100oz cans. Sulfate			
and bituminate solid basis 100oz			
lots in 100oz cans. Smaller orders			
or containers extra as above			
schedule.			
R SALT, 250lb bbbs wks	.50		.52
Red Lead, see lead oxide			
Red Precipitate, see mercury.			
Resorcin, see resorcinol.			
Resorcinol tech. 100lb kegs	1.50		1.55
USP, 25lb cans	2.00		2.10
Rochelle Salt, USP, 25lb bbbs.			.21
Imp. USP, 300lb bbbs.	.19		.20
Rosewater, triple, 5gal demis-	1.50		1.60
SACCHARIN, USP, 1 lb cans, 25lb			
cans	1.90		2.00
Soluble, USP, 1 lb cans, 25 lb	1.90		2.00

Safrol, 60 lb cans	lb	.55	..	.60
Sal Ammoniac, see Ammon. Chloride				
Salcitra, USP, 1 lb cartons, 25 lb Ds	lb	3.75	..	4.00
Saiol, USP, 100 lb drums	lb	...	..	.80
Salt, Common, see sodium chloride.				
Salt Cake, c/l f.o.b. wks.....	ton	...	..	25.00
SALTPETRE, gran., 500 lb bbls				
wks	lb	.07½	..	.08½
Bbls c/l wks	lb	...	..	.06½
Imported, 500 lb bbls	lb	.06½	..	.06½
Santonin USP, 1 lb bot.....	lb	172.00	..	175.00
Powd, 1 lb bot	lb	173.50	..	176.50
Saponin, ex Quillaja, 5 lb tins.....	lb	...	..	1.55
Schaeffer's Salt, 250 lb bbls.wks..	lb	.60	..	.65
Scopolamine, see hyosine.				
eidits Mixture, 225 lb bbls.....	lb	...	..	.17
SILVER, metal, American.....oz				
Foreign	oz	...	..	.68½
Colloidal, 16oz bot.....	oz	...	..	1.60
Nitrate, USP, 200oz bot.....	oz	...	..	.46½
Nucleinate 16oz bot.....	oz	.40	..	.45
Proteininate, 16oz bot.....	oz	.39	..	.42
Soap, Castile, 40 lb bxs.....	lb	.20	..	.25
Powd. USP, 250 lb bbls.....	lb	.28	..	.39
Green, USP, 150 lb kegs.....	lb	.07½	..	.08
Prices on soda alkalis are based on actual percentages and not N. Y. & L. test.				
SODA ASH, 58% light bgs resale				
NY flat, ex-warehouse.....	100 lb	...	..	2.01
Contract, Basis 48% bags c/l				
wks	100 lb	...	..	1.20
Prompt and spot, Basis 48% bags				
c/l wks	100 lb	1.25	..	1.30
Soda Ash, 58% dense, bgs resale				
ex-warehouse, NY.....	100 lb	...	..	2.07
Contract, Basis 48% bags c/l				
wks	100 lb	1.25
Pmpt. and spot, Basis 48% bags				
c/l wks	100 lb	1.30	..	1.35

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<p>Aconitine and Salts Amidopyrine Antipyrine Apomorphine Hydrochloride Arecoline Hydrobromide Atropine and Salts Berberine and Salts Brucine and Salts Caffeine and Salts Cocaine and Salts Codeine and Salts Colchicine Alkaloid, U. S. P. Colchicine Salicylate Creosote, U. S. P. Creosote Carbonate Cumarin Diacetylmorphine Alkaloid and Hydrochloride Digitalin Pure Duboisine Sulphate Emetine and Salts Eserine and Salts Guaiacol Liquid</p>	<hr/> <hr/> <p>We are the headquarters for</p> <h2>SANTONIN</h2> <p>Crystals - U.S.P. - Powder</p> <hr/> <hr/>	<p>Guaiacol Carbonate Homatropine and Salts Hydrastine and Salts Hydrastinine Hydrochloride Hyoscine Hydrobromide Hyoscyamine and Salts Morphine and Salts Phenolphthalein Pilocarpine and Salts Potassium Guaiacol Sulphonate "Alta" Brand Salicin Saponin Purified Scarlet Red Medicinal Genuine "Biebrich" Silver Proteinate Sodium Cacodylate Sparteine Sulphate Strophanthin Strychnine and Salts Theobromine and Salts Veratrine and Salts Yohimbine Hydrochloride</p>
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THE HOFFMANN-LA ROCHE CHEMICAL WORKS NEW YORK

Chemicals

SODA, CAUSTIC, 76% solid, resale,		
NY flat .....100lb	3.50	: 3.60
Contract basis 60% c/1 wks		
100lb	2.50	
Pmpt and spot, Basis 60%		
c/1 wks .....100lb	2.57½	: 2.60
Contract 60% low grade c/1		
wks flat .....100lb	2.65	
Ground & flake, 76% pmpt and		
spot, wks c/1 drs.....100lb	3.72½	
Contract, 76% drums, c/1 wks		
flat .....100lb	3.65	
USP, stick, 5lb cans.....lb	.16	: .18
Pure, stick, by alcohol.....lb	.28	: .30
SODIUM ACETATE, crys 450lb bbls		
wks.....lb	.07	: .07½
Ton lots, bbls wks.....lb	.06	: .07
Aluminum Sulfate, see alum soda.		
Benzoate, USP, 250lb bbls.....lb	.57	: .60
Bicarbonate, 400lb bbls.....100lb	2.15	
Bbls c/1 wks.....100lb	1.75	
112lb kegs.....100lb	2.00	
112lb kegs, NY.....100lb	2.40	
Bichromate, 600lb casks wks.....lb	.07½	: .07
Casks, c/1 wks.....lb	.06½	: .07
Bisulfite, dry powder, 500lb		
bbls, wks.....lb	.04	: .04½
Solution, 32-40°, 500lb bbls		
wks .....100lb	1.35	: 2.00
Bromide, USP, Cryst 500lb bbls		
lb .....lb	.19	
Cases, 100lb .....lb	.20	
Imp. USP, 112lb cs.....lb	.17	: .18
Cacodylate, USP, 5lb bot,		
.25lb .....lb	4.60	
Carbonate, sal soda, 350lb bbls		
wks .....100lb	1.75	: 1.90
Ton lots, wks .....100lb	1.65	
USP monohyd, 100lb keg.....lb	.06	
Pure photographic, 100lb		
keg .....lb	.06	
Chlorate, 112lb kegs, wks.....lb	.07	: .08
Imported, 112lb kegs.....lb	.06½	: .06½

Sodium—(continued)		
Chloride, tech 200lb bags, ton	12.00	: 15.09
C. P. 300lb bbls.....lb	.05	: .08
Citrate, USP, IX, 100lb kegs, lb	.64	
USP, VIII, 100lb kegs.....lb	.57	
Cyanide, 96-98%, 100lb cases		
NY .....lb	.24	: .25
Ton lots, NY.....lb	.23	
73-76%, 100lb cases, NY.....lb	.22	: .23
Imp, 128%, 200lb cases lb	.22	
120% cases .....lb	.19	: .20
Fluoride, 350lb bbls, NY.....lb	.09½	: .10
Glycerophos, USP, crys 25lb		
cans .....lb	1.70	: 1.75
Powder, 25lb tins.....lb	1.75	: 1.80
Solution, USP 25lb tins.....lb	1.15	: 1.20
Hydroxide, 200lb bbls, tob, wks, lb	.19	: .22
Hydroxide, see Soda Caustic		
Hypophosphite, USP, 25lb cans		
lb .....lb	.75	
HYPOSULFITE, crys., 375lb bbls		
wks .....100lb	3.20	: 3.25
Bbls c/1 wks.....100lb	3.10	
100lb kegs wks.....100lb	3.35	: 3.50
Granulated, bbls wks.....100lb	3.80	: 3.85
Bbls c/1 wks.....100lb	3.70	
Kegs wks .....100lb	3.95	: 4.10
Iodide, USP, 25lb jars.....lb	.390	
Metanilate, 150lb bbls.....lb	.80	: .82
Naphthionate, 300lb bbls.....lb	.60	: .62
Nitrate, crude, 95%, 200lb bags		
c/1 NY .....100lb	2.55	: 2.60
Futures, NY .....100lb	2.25	: 2.35
Double Refined, 400lb bbls		
wks .....lb	.04½	: .04½
Nitrite, 500lb bbls wks.....lb	.09½	
Bbls spot, makers.....lb	.10	
Imp, 650lb casks.....lb	.09	: .09½
Ortho-Chloro-para-Toluene Sul-		
fonate, 175lb bbls wks, lb	.25	: .27
Oxalate, neutral, 100lb kegs, lb	.47	
Perborate, 275lb bbls.....lb	.24	
Imp, 225lb drs.....lb	.19	: .20
Peroxide, 200lb cases.....lb	.25	: .27

Sodium—(continued)		
Phosphate, di-sodium, tech 550lb		
bbls .....lb	.03½	: .04½
USP, gran. 275 bbls.....lb	.07	: .07½
USP, recryst 275 bbls.....lb	.13	: .14
Mono-sodium, 100lb kegs.....lb	.25	: .27
Tri-sodium tech 550lb bbls, lb	.03	: .03½
Picramate, 100lb kegs .....lb	.55	: .57
Para-Toluene Sulfonate, 175lb		
bbls .....lb	.08	: .09
PRUSSIAN, yellow, 450lb cks, lb	.24½	: .24½
Pyrophosphate, 100lb kegs.....lb	.14	
Salicylate, 100lb kegs.....lb	.36	
Second Hands, USP, kegs.....lb	.34	: .36
Silicate, 60° bbls wks.....100lb	2.00	: 2.10
600lb drs wks .....100lb	.95	: 1.20
Silicofluoride, 450lb bbls NY, lb	.08	: .09½
Sulphate, see Glauber's Salt.		
Sulfide, 60% solid, 650lb drs		
wks.....lb	.05	: .05½
Dr. c/1 wks .....lb	.03½	
Imp, 700lb drs NY.....lb	.04	: .04½
60% broken, 650lb drs wks, lb	.05	: .05½
Imp, 500lb drs NY.....lb	.04½	: .04½
30% crys, 400lb bbls wks, lb	.02½	: .03
Sulfite, crys, 400lb bbls wks, lb	.03½	: .03½
Dessicated, 400lb bbls.....lb	.09½	: .10
Sulfocarbonate, USP, 100lb		
kegs .....lb	.25	: .30
Sulfocyanide, 400lb bbls.....lb	.45	: .47
Tungstate, crys 100lb kegs.....lb	.55	
Dessicated, kegs .....lb	.65	
Solvent Naptha, see Naphtha		
Spartein Sulfate, USP, 25oz bulk, oz	.40	
Starch, rice, 140lb bags.....lb	.06	: .08
STRONTIUM Bromide, USP, 100lb		
kegs .....lb	.29	
Carb. 600lb bbls, wks.....lb	.07	
100lb kegs wks.....lb	.08	
Iodide, USP, 25lb jars.....lb	3.70	
Nitrate, 600lb bbls, wks.....lb	.11	: .11½
Imp, bbls NY.....lb	.09½	
Salicylate, USP, 100lb kegs.....lb	.60	
100lb kegs wks.....lb	.11½	: .12



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Chemicals

STRYCHNINE Alkaloid, USP, crys			TALC , Italian, 220 lb bags NY ton			Veratrine Sulfate , 1oz vials....os		
100os tins	.....os	1.05	French, 220 lb bgs NY.....ton	20.00	30.00	Hydrochloride, 1oz vials....os	.....	2.50
Alk. powd, USP	.....os	.95	Dom, crude, 100 lb bags NY ton	15.00	18.00	WHITE LEAD , see lead, white.		
Acetate	.....os	.95	Refined, 100 lb bags NY.....ton	20.00	30.00	White Precipitate, see mercury.		
Glycerophosphate, USP	.....os	.95	Tartar Emetic, tech, 300 lb bbls. m	.29	.29½	Whiting, 200 lb bags, c/1 wks. ton	.....	13.00
Hydrobromide	.....os	.95	USP, 300 lb bbls	.36	.37	Bags, 1/c1 wks. ....ton	.....	23.00
Hydrochloride	.....os	.95	Terpin Hydrate, USP, 100 lb kegs m	.83	.65	French, bags, NY .....	.....	14.00
Hypophosphite	.....os	1.05	Terpineol, CP 1000 lb drums....b	.50	.60	English, bags, NY .....	.....	23.00
Nitrate, USP	.....os	.95	Cans, 50 lb	.55	.60	Wirth Hazel Extract, 50 gal bbls. gal	1.20	1.25
Phosphate	.....os	.95	Imported, cans, 25 lb	.70	.75	XYLENE , 2° dist range, nitration		
Sulfate, USP, crys powd	.....os	.76	Isopropyl Acetate, 25 lb cans....b	1.65	1.75	1ks wks. ....gal	.....	.45
Saccharinate	.....os	2.05	Terra Alba, 300 lb bbls	.02	.02½	110 gal drs wks. ....gal	.....	.50
Strychnine preparations quoted bases			Theobromine Alk, 5 lb cans....b	4.95	5.10	5° dist range, 800 gal tanks		
100os lots in 100os tins, Small Sizes;			Thiocarbamid, 170 lb bbls....b	.35	.37	1ks wks. ....gal	.....	.40
¾ os vials, 50c extra; ¼ os vials, 25c			Thymol, USP, 10 lb cans....b	3.90	4.15	110 gal drs wks. ....gal	.....	.45
extra; single ounce vials, 7c extra.			Iodide, 5 lb boxes....b	6.70	7.09	Xylidine , 900 lb drs. ....b	.42	.43
Sugar Milk, USP, 200 lb bbls....b	.....	.19	TIN , Metal Straits, NY.....100 lb	.....	32.50	YARA YARA , 1 lb tins, ....b	2.00	2.50
Second Hands, USP, bbls....b	.20	.21	American standard, NY.....100 lb	.....	32.00	Yohimbin Hydchloride, 1oz vis....os	9.00	9.50
Sulfonal, see Sulfonmethane.			99% American, NY.....100 lb	31.62½	32.87½	ZINC , METAL, high grade, slabs		
Sulfonmethane, USP, 5 lb bbs....b	.....	4.50	C.P. mossy, 25 lb bbs NY. b	.....	.91	c/1 NY.....100 lb	.....	7.10
Sulfonethymethane USP, bbs, 5 lb b	.....	5.50	Richloride, 50% soln 100 lb			Common, Slabs, c/1 NY.....100 lb	.....	6.85
SULFUR , crude, bulk, c/1 NY. ton	.....	18.00	bbls wks	.10½	.10½	Mossy, 25 lb bbs NY ..b	.....	.28
Brimstone, 250 lb bgs, c/1 100 lb	.....	1.75	Crystals, 500 lb bbls wks....b	.....	.29	Ammonium Chloride, soln, 400 lb		
Loss c/1 bags NY.....100 lb	1.85	2.10	100 lb kegs wks....b	.....	.29½	bbls	.....
Holl, 500 lb bbls c/1 NY. 100 lb	.....	2.15	Oxide, 400 lb bbls wks....b	.....	.38	Carb. tech, 150 lb kegs NY. b	.14	.16
Loss c/1 bags NY.....100 lb	2.35	2.60	100 lb kegs wks....b	.....	.39	USP, 100 lb kegs.....b	.....	.37
Flour , Heavy, 290 lb bbls, 100 lb	2.50	3.05	Tetrachloride, 1000 lb drs wks b	.21½	.22	Chloride, fused, 600 lb drs wks. b	.....	.07
Light, 100%, 260 lb bbls, 100 lb	2.60	3.15	Tolidine, 350 lb bbls....b	1.15	1.20	Drs. c/1 wks.....b	.....	.05½
Rubbermakers 100%, 24c lb	.....		Sulfate, 350 lb bbls....b	.....	1.00	Imp. drs NY.....b	.05	.05½
bbls NY.....100 lb	2.50	3.15	Toluene, 8000 gal tank caps, wks. gal	.....	.30	Granulated, 500 lb bbls wks. b	.....	.08
Commercial, 99%, 150 lb bgs	.....		110 gal drs wks.....gal	.....	.35	Imported, drs NY.....b	.05	.05½
NY.....100 lb	1.35	1.65	Toluidine, Mixed, 900 lb drs wks. b	.....	.32	USP, 25 lb jars.....b	.....	.35
For Dyeing, 99%, 100 lb	.....		Triphenylphenol, 100 lb cases....b	.....	.85	Cyanide, 100 lb drs.....b	.42	.43
bgs NY.....100 lb	2.00	2.50	Trional, see Sulfonethymethane.	.....		Dust, 100 lb tins NY.....b	.....	.08½
Flowers, 100%, 240 lb bbls	.....		Tripbenyl Phosphate, 450 lb bbls. m	.....	.45	500 lb bbls, 1c/1 wks....b	.....	.07½
NY.....100 lb	3.00	3.55	Tripoli, 500 lb bbls.....100 lb	.....	3.00	Bbls c/1 delivered.....b	.....	.07½
Precipitated, 125 lb bbls NY. b	.18	.19	Tungsten Ore, bulk, Wolframite,			Iodide, 5 lb bottles.....b	.....	4.50
Lac, 125 lb bbls NY.....b	.10	.11	NY.....WO ₃ unit	3.25	3.50	Nitrate, 25 lb jars.....b	.....	.42
Sulfur Chloride, red, 700 lb drs	.....		Bulk, Scheelite, NY.....WO ₃ unit	.....		Oxide, Amer. 300 lb bbls, wks. b	.07½	.08
wks.....b	.....	.05½	UREA , pharm 112 lb cases....b	.....	.40	Bbls c/1 wks.....b	.....	.07
150 lb chys wks.....b	.....	.06	VANILLIN , USP, 400os cans....os	.43	.45	French, 300 lb bbls wks....b	.09½	.11½
Yellow, 700 lb chys wks....b	.....	.05	Cans, 80 os.....os	.....	.45	Bbl c/1 wks.....b	.08½	.11
150 lb chys wks.....b	.....	.05½	Cans, 16oz.....os	.....	.46	USP, 100 lb bbls.....b	.15	.17
Sulfur Dioxide, 100 lb cyl....b	.08	.08½	Second Hands, cans.....os	.43	.47	Stearate, USP, 60 lb bbls ..b	.20	.25
Sulfuric Ether, see Ether.			Vermilion, Amer. 100 lb kegs....b	.....	.30	Sulfate, 400 lb bbls wks....b	.03½	.03½
Sulfuryl Chloride, 600 lb drs b70	English, kegs.....b90	Bbls c/1 wks.....b02½
						USP, 100 lb kegs.....b	.08	.09

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Oils and Fertilizers

Oils			LINSEED, raw c/l bbls.....gal			SOYA BEAN, crude tks. Coast..lb		
Castor, No. 1 400b bbls.....lb	..	.13	Ten bbls., raw.....gal	.81	.93	Crude, bulk c.f.f. NY in bond..lb	..	.05%
80b cases.....lb	..	.14	Boiled, 5 bbl. lots.....gal	.93	.95	Crude, bulk c.f.f. PC in bond..lb	..	.05%
No. 2, bbls.....lb	.12	.12%	Double boiled 5 bbl. lots.....gal	.94	.96	Crude, bbls. NY.....lb	.10%	.11
China Wood, 375b bbls.....lb	.12%	.13	Raw, 8000 gal. tanks.....gal	..	.84	Refined, bbls. NY.....lb	.12%	.12%
Coast, 8000 gal. tks.....lb	.12%	.12%	Imported, bbls. NY.....gal	.86	.88	Amer. pressed, crd. bbls. NY..lb	.11	.11%
Orient to N. Y. bbls.....lb	.12%	.13	Imp. shipment, duty paid bbls.gal	.83	.84	Sperm, 38° c. t. blehd. bbls. NY.gal	..	1.30
Cocunut Ceylon, 375b bbls. NY..lb	.08%	.08%	Imp. tks. NY.....gal	..	..	45° cold test, blehd. bbls. NY.gal	..	1.36
8000 gal. tanks NY.....lb	.06%	.07	Menhaden, crude bbls. wks.....gal	.39	.40	STEARIC ACID, s. p. 200b bags..lb	..	.09
Cochin, 375b bbls. NY.....lb	.09%	.09%	Crude, tanks wks Balt.....gal	.37	.38	Double pressed, bgs.....lb	..	.09%
Tanks, NY.....lb	.08%	.08%	Light strained, tanks.....gal	..	.54	Triple pressed, bgs.....lb	..	.10%
Manila, tanks Coast.....lb	.06	.06%	Yellow bleached, bbls. NY.....gal	..	.62	Stearine, oleo. bbls.....lb	..	.10
Edible, bbls. NY.....lb	.10	.10%	Extra bleached, winter NY...gal	..	.65	Lard, bbls. ....lb	.14%	.14%
Cod, Newfoundland 50 gal. bbls.gal	.54	.58	Blown, bbls. NY.....gal	..	.70	Tallow, edible 50b tierces.....lb	..	.08%
Tanks, NY.....gal	.83	.85	Neatsfoot, 20° c.t. bbls. NY...lb	.18	.20	City extra, loose.....lb	..	.06%
Copra, bags c. f. NY.....lb	.04%	.04%	30° cold test, bbls. NY.....lb	..	.14%	Tallow Oil, acidless tks. NY...lb	..	.10%
Corn, ref. 375b bbls. NY.....lb	.12%	.12%	Pure, bbls. NY.....lb	..	.12%	Bbls. c/l NY.....lb	..	.10%
Crude, tanks mills.....lb	.07	.07%	Oilco Oil, No. 1, bbls. NY.....lb	..	.11%	Teaseed, crude bbls. NY.....lb	.12%	.12%
Bbls. mills.....lb	.09%	.09%	No. 2, bbls. NY.....lb	..	.10%	Walnut, crude bbls. NY.....lb	.10%	.11
Bbls. NY.....lb	.10%	.10%	No. 3, bbls. NY.....lb	..	.10	Whale, nat. winter bbls. NY...gal	..	.70
COTTONSEED, crude tks. mills..lb	..	.07%	OLIVE, denatured bbls. NY.....gal	1.15	1.18	Blehd. winter bbls. NY.....gal	..	.75
P. S. Y. 100 bbl. lots NY.....lb	.08%	.09%	Edible, bbls. NY.....gal	1.80	2.10	Crude, No. 1, tanks Coast....lb	.06	.06%
White, 100 bbl. lots NY.....lb	..	.12	Foots, bbls. NY.....lb	.09	.09%	Crude, No. 2, tanks Coast....lb	.05%	.06
Winter yellow, 100 bbls. NY..lb	..	.12%	Shipment, duty paid.....lb	.09	.09%			
Degras, Amer. 50 gal. bbls. NY..lb	.04	.04%	Palm Lager, 1500b casks.....lb	.07%	.08			
English, bbls. NY.....lb	.03%	.04	Niger, casks.....lb	.06%	.06%			
Neutral, bbls. NY.....lb	.08%	.09%	Bonny old Calabar, casks.....lb	.06%	.07			
Grease, choice white bbls. NY..lb	.07%	.08	Palm Kernel, 1500b casks NY..lb	.08%	.09			
Yellow.....lb	.08%	.08	Peanut, refined bbls. NY.....lb	.12%	.13			
Brown.....lb	.05	.05%	Crude, mills buyers' tks.....lb	.08%	.08%			
House.....lb	.05%	.05%	Crude, bbls. NY.....lb	..	.12			
Bone naphtha.....lb	.04%	.05	Crude, Coast, sellers tks.....lb	.08%	.08%			
Herring, 50 gal. bbls. NY.....gal	..	..	Perilla, bbls. NY.....lb	.13%	.14			
Horse, 375b bbls. NY.....lb	..	.06%	Shipment, c.f.f. NY bbls.....lb	.13	.13%			
Lard, city steam bbls.....lb	.10%	.11	Shipment, c.f.f. NY c/s.....lb	.12%	.12%			
Compound, bbls.....lb	.11	.11%	Poppysseed, bbls. NY.....gal	..	2.50			
LARD OIL, prime tech. bbls.....lb	.11	.11%	Rapeseed, refined bbls. NY.....gal	.83	.85			
Edible prime, bbls.....lb	..	.14%	Blown, bbls. NY.....gal	.95	.97			
Off prime, bbls.....lb	.11	.11%	Red Oil, distilled bbls.....lb	.08%	.08%			
No. 1, bbls.....lb	..	.10%	Saponified, bbls.....lb	.08%	.08%			
Extra, No. 1, bbls.....lb	..	.11%	Salmon, 8000 gal. tks. Coast..lb	..	.37			
No. 2, bbls.....lb	..	.10	Sesame, domestic edible bbls.....gal	2.00	2.50			
			Sed Oil, bbls. NY.....lb	..	.44			

Fertilizer Materials

Ammon. Sulf. bulk wks.....100b	2.50	3.60
Double bgs. f.a.s. NY.....100b	..	3.85
Blood, dried f.o.b. NY.....unit	4.55	4.60
Bone, 3 & 50 ground raw.....ton	38.00	30.00
Raw, Chicago.....ton	..	25.00
Cyanamide wks.....unit	..	2.75
Fish Scrap, dried wks.....unit	3.90	4.10
NITRATE SODA NY.....100b	2.40	2.50
Phosphate Rock, f.o.b. mines,		
Florida pebble, 68-78%.....ton	3.00	5.50
Tennessee, 70-75%.....ton	4.00	5.50
Phosphate Acid, 16% wks.....ton	8.00	8.50
Potassium Murate, 80%.....unit	.62%	.85
Sulfate.....unit	..	1.60
Steamed Bone Meal, NY.....ton	38.00	30.00
Tankage, ground NY.....unit	4.50	4.10
High grade, f.o.b. Chicago.....unit	4.50	4.10

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(Carleeds ex-yard N. Y.)		
Spirits Turpentine, bbls.	gal.	1.34
Wood Turpentine, stn distd. bbls.	gal.	1.27
Destructive distilled, bbls.	gal.	1.13
Pitch, prime	bbl	6.00
Resins. (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb)		
R	280 lb	6.75
D	280 lb	6.75
E	280 lb	6.75
F	280 lb	6.75
G	280 lb	6.75
H	280 lb	6.75
I	280 lb	6.75
K	280 lb	6.80
M	280 lb	6.85
N	280 lb	6.85
WD	280 lb	7.50
WW	280 lb	8.00
Resin Oil, first run 50 gal. bbls.	gal	4.40
Second run, bbls.	gal	4.43
Tar, kiln-burnt	bbl	12.50
Retort	bbl	11.00

Woods

Barwood, chips	b	.04%	.05
Camwood, chips	b	.09	.13
Divi Divi, pods 100-200 lb bags.	ton	32.00	34.00
Fustic, sticks	ton	35.00	37.00
Chips	b	.04	.08
Hemlock, bark	ton	16.00	18.00
Hyperic, chips	b	.06%	.07
LOGWOOD, sticks	ton		30.00
Chips 150 lb bags	b	.02%	.03
Mangrove bark, African	ton		35.00
Bark, South American	ton	25.00	30.00

Myrabolans, 150 lb bags J1	ton	28.00
R1	ton	24.00
R2	ton	17.00
Nutgalls, see Crude Drugs		
Oak bark, whole	ton	20.00
Ground	ton	25.00
Quercitron bark, rough	ton	10.00
Ground	ton	25.00
Sumac, Sicily, 160 lb bags	ton	55.00
Virginia, 150 lb bags	ton	35.00
Valonia Cupe, 28-33% tan	ton	31.00
Beard, 40% tan, 150 lb bags	ton	48.00
Wattle bark, 150 lb bags	ton	38.00

Extracts

Range of prices includes quality range for large quantity.		
Annatto, fine	b	.26
Archil, double 600 lb bbls.	b	.16
Triple, 600 lb bbls.	b	.17
Conc., 600 lb bbls.	b	.18
Chestnut, clarified, 25% tks. wks. ton		.01%
Powd., 60% 100 lb bbls. wks. b		.05%
Decolorized, bbls. wks. b		.09
Cudbear, English	b	.21
Cutch, Rangoon, 100 lb bales	b	.13
Liquid, 450 lb bbls.	b	.10
Tablets, 120 lb boxes	b	.13
Flavine	b	.00
Fustic, solid 50 lb boxes	b	.14
Crystals, 100 lb boxes	b	.22
Liquid, 51°, 600 lb bbls.	b	.10
Gal extract	b	.16
Gambier, 25% liq. 450 lb bbls.	b	.06%
Common, 200 lb cases	b	.05%
Singapore cubes, 150 lb bags	b	.07
HENATINE, Paste, 500 lb bbls.	b	.11%
Crystals, 400 lb bbls.	b	.16
Hemlock, 25% 600 lb bbls. wks. b		.04%
Hyperic, 51°, 600 lb bbls.	b	.15
Indigo, Madras bbls.	b	.85
Manila, bbls.	b	1.30

Larch, 25%, 600 lb bbls., wks. b		.03%	.03%
Powd. 100 lb bags, wks. b		.07%	.08
Logwood, 51°, 450 lb bbls.	b	.08	.10
Solid, 60 lb boxes	b	.15	.21
Madder, Dutch	b	.28	.30
Mangrove, 55% 400 lb bbls.	b	.06%	.06%
Myrabolans, 25% liquid bbls.	b	.05	.05%
50% solid, 50 lb boxes	b	.06%	.06%
Oak, tanks wks. b		.04%	.04%
23-25% liq. 600 lb bbls. wks. b		.05	.05%
Osage Orange, 42° liquid	b	.07	.08
Powd. 100 lb bags	b	.14	.15
Persian Berries	b	.27	.30
QUEBRACHO, 35% liquid tks. b		.03%	.03%
450 lb bbls.	b	.04	.04%
35% bleaching, 450 lb bbls.	b	.04%	.05
Solid 65% 100 lb bales	b	.04%	.04%
Clarified bales	b	.05	.05%
Quercitron, 51° 450 lb bbls.	b	.06	.07
Powdered, 100 lb boxes	b	.09	.13
Spruce, 25% liquid tanks wks. b		.01	.01%
Powd. 50% 100 lb bags wks. b		.02	.02%
Sumac, liquid 450 lb bbls.	b	.07	.09

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. b		.45	.50
Blood, domestic, 100 lb drs.	b	.45	.50
British Gum, 140 lb bags c/l 100 lb			3.39
Bags lc/l			3.67
Dextrin, corn 140 lb bags c/l 100 lb			3.69
Bags lc/l			3.37
Potato 140 lb bags c/l 100 lb			.09
Bags lc/l			.09%
Prussian blue	b	.60	.65
Sago Flour, 150 lb bags	b	.03%	.03%
Spray Yolk 150 lb cs.	b	.35	.45
STARCH, powd. 140 lb bags c/l 100 lb			2.47
Bags lc/l			2.75
Pearl, 140 lb bags c/l 100 lb			2.65
Potato, domestic, 140 lb bags	b	.05%	.05%
Imported, bags duty paid	b	.06%	.07%
Tapioea Flour, high grade bags	b	.05	.05%
Medium grade, bags	b	.03%	.04
Low grade, bags	b	.03	.03%
Turkey Red Oil, bbls.	b	.09	.11
Yolk Oil, bbls.	b		.35

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P. O. Box 473

Crude Drugs

Crude Drugs

ACONITE Leaves, bales.....lb	..	.25	Bamboo Brier Root, bags.....lb	.06	.08	Cantharides, Russian, cases....lb	3.50	3.60
Aconite Root, USP bags.....lb	.23	.25	Barberry Bark, tree bales.....lb	.21	.22	Powdered, boxes.....lb	3.75	3.85
Agar Agar, 1, 200lb bales.....lb	..	1.45	Bayberry Bark, bales.....lb	.10	.12	Caraway Seed, African bags....lb	..	..
No. 2, bales.....lb	1.35	1.40	Wax, bbls.....lb	.19 1/2	.21	Dutch, 100lb bags.....lb	.18 1/2	.19
No. 3, bales.....lb	1.25	1.30	Belladonna Leaves, bales.....lb	.12	.13	Cardamom, bleached cases.....lb	.80	1.10
Agaric, white, cases.....lb	..	..	Root, bags.....lb	.12	.14	Decorticated, cases.....lb	.63	.65
Almonds, bitter bags bbls.....lb	.25	.30	Rees Wax, white bbls.....lb	.35	.36	Green, grinding, bags.....lb	.55	.56
Sweet, bags.....lb	.30	.35	Yellow, refined bbls.....lb	.24	.26	Carnauba Wax, Flor, bags.....lb	.45	.48
Meal, fine, boxes.....lb	.23	.30	Crude, bags.....lb	.22	.24	No. 1 N Country bags.....lb	.40	.43
Alatrils Root, bags.....lb	.58	.60	Benzoin Gum, Siam, boxes.....lb	1.40	1.60	No. 2 N Country bags.....lb	.23	.25
Alkanet Root, bags.....lb	.08	.09	Sumatra, 80lb boxes.....lb	.60	.70	No. 3 Fatty Gray, bags.....lb	.20	.21
Aloes, Barbadoes, 120lb bbls....lb	..	.60	Berberis Aquifolium Root, bags..lb	.16	.17	No. 3 Chalky, bags.....lb	.17	.18
Cape, 400lb cases.....lb	.07 1/2	.08	Beth Root, bags.....lb	.15	.16	Cascara Amara, 150lb bales....lb	.32	.33
Curacao, 100lb cases.....lb	.06	.06 1/2	Boneset Herb, bales.....lb	.11	.12	Cascara Sagrada, bales.....lb	.11	.13
Socotrine, whole 100lb cs.....lb	.35	.40	Borage Flowers, bales.....lb	..	.25	Cascarilla Bark, quills bales...lb	.30	.35
Althoa Root, cut cases.....lb	.12	.13	Blackhaw Bark, root, bales.....lb	.30	.31	Siftings, bbls.....lb	.20	.25
Whole bags.....lb	.08	.10	Tree, bales.....lb	.15	.16	Cassia Buds, 66lb cases.....lb	.12 1/2	.13
Ambergris, black boxes.....lb	..	8.00	Blood Root, bags.....lb	.14	.15	China, select, mats cases.....lb	.05 1/2	.06
Grey, boxes.....lb	..	28.00	Blueflag Root, bags.....lb	.24	.26	Saigon, assort. bales.....lb	.25	.25 1/2
Ammoniac, tears bags.....lb	1.50	1.60	Bryonia Root, bags.....lb	.10	.12	Cassia Fistula, baskets.....lb	.08 1/2	.09
Angelica Root, dom bags.....lb	.15	.16	BUCHU LEAVES, short, 250lb	..	..	Castor Beans, bags.....lb	.03	.03 1/2
Angostura Bark, bags.....lb	.14	.15	bales.....lb	.90	.95	Castoreum, 1lb bot.....lb	..	4.00
Anise, Levant bags.....lb	.17	.17 1/2	Less bales.....lb	.95	1.00	Catechu Gum, bags.....lb	..	.10
Star, cases.....lb	.13 1/2	.14 1/2	Long, bales.....lb	..	..	Catnip Herb, bales.....lb	.10	.15
Spanish, bags.....lb	.18	.18 1/2	Buckthorn Bark, bales.....lb	.07 1/2	.08	Celery Seed, 220lb bags.....lb	.19 1/2	.20
Annato Seed, bags.....lb	.03	.03 1/2	Burdock Root, bags.....lb	.16	.17	Ceresin Wax, white bags.....lb	.08 1/2	.09
ARABIC GUM, 200lb cases.....lb	.25	.27	Burgundy Pitch, dom. 110lb stands	..	..	Yellow, 200lb bags.....lb	.07 1/2	.08 1/2
Seconds, 250lb bags.....lb	.20	.22	Gross for net.....lb	..	.05	CHAMOMILE FLOWERS, Roman	..	..
Sorts, amber, 200lb bags, bbls..lb	.15 1/2	.15 1/2	Calabar Beans, bags.....lb	.17	.13	bales.....lb	.65	.70
Powd., USP 300lb bbls.....lb	.20	.22	Calamus Root, bleached cases...lb	.40	.42	Hung. cases bales.....lb	.28	.23
Arcea Nut, 150lb bags.....lb	.09	.10	Unbleached, bags.....lb	.10	.11	Charcoal Willow, powd. bbls....lb	.06	.07
Powd., 200lb bbls.....lb	.12	.14	Calendula Petals, imp. bales....lb	..	.40	Wood, powd bbls.....lb	.04	.04 1/2
Arnica Flowers, bales.....lb	.08 1/2	.09	Calisaya Bark, bales.....lb	.12	.14	Chestnut Bark, bags.....lb	.07	.08
Root, bags.....lb	..	.50	Camphor, see Chemicals	..	..	Herb, bales.....lb	.06	.08 1/2
Arrowroot, Amer. powd. bbls....lb	.05	.06	Canary Seed, Morocco bags.....lb	.05 1/2	.06	Chicle Gum, bags.....lb	.70	.75
St. Vincent, powd. bbls.....lb	.07 1/2	.08	South American, bags.....lb	.04	.04 1/2	Chiretta, bales.....lb	..	.30
Asafetida, USP, 250lb cases.....lb	.38	.40	Candella Wax, bags.....lb	..	.35	Cinchona Bark, red quills bales..lb	.80	.55
Powd., 50lb bbls.....lb	.60	.62	Canella Alba Bark, bales.....lb	.45	.48	Broken, bales.....lb	.12	.14
BALM GILEAD BUDS. bags.....lb	.43	.48	Cannabis, true imp. bags.....lb	..	6.00	Cinnamon, Ceylon, bales.....lb	.15	.20
Balmory Herb, bales.....lb	.14	.15	American (no assay) bales....lb	..	.20	Civet, Abyssin horns.....lb	2.75	2.85
			USP, bales.....lb	..	.30	Clover Tops, bags.....lb	.10	.12
			Cantharides, Chinese cases.....lb	1.10	1.15	Cloves, Zanzibar, 135lb bales...lb	.35	.38
			Powd., boxes.....lb	..	1.25	Amboyas, bales.....lb
						Penang, bales.....lb

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Cochineal, USP boxes.....D	.35	.45	Dogwood Bark, Jamaica bags.....D	.10	.11	Grindelia Robusta Herb, bales..D12
Coca Leaves, Huancoco bags.....D	...	...	Flowers, bales.....D	...	.15	Gualac Gum, 200 lb cases.....D	.55	.65
Truxillo, bags.....D	...	.50	Doggrass Root, USP cut bags.....D	.09	.10	Guarana, tins, cases.....D	.90	.75
Cobash Root, Black bags.....D	.08	.08 1/2	Dragons Blood, mass cases.....D	.60	.62	Gum, see Arabic Gum, etc.		
Blue, bags.....D	.09	.09 1/2	Reeds, boxes.....D	.50	.85	HELLEBORE ROOT,		
Colecium Root, bags.....D	.11	.12	ECHINACEA ROOT, bags.....D	.33	.34	Black, pwd, bbls.....D	...	.15
Seed, bags.....D	.12	.13	Elicampans Root, bags.....D	.09	.10	White, bags.....D	...	.12
Colombo Root, whole bags.....D	.03	.04	Elder Flowers, bales.....D	.22	.23	Powdered, 250 lb bbls.....D	.15	.16
Colocynth, apples cases bbls.....D	.20	.22	Elemi Gum, 80 lb cases.....D	.10	.12	Helonias Root, (unicorn false) bags.....D	.55	.58
Pulp, USP bales.....D	.25	.30	Elm, select 5 lb bundles cases..D	.27	.28	Hemp Seed, Manchurian bags...D	.03 1/2	.04 1/2
Collafoot Leaves, bags.....D	.07	.07 1/2	Grinding, bags.....D	.12	.14	Chilian, bags.....D	...	...
Comfrey Root, bags.....D	.20	.21	Powdered, bbls.....D	.18	.17	Henbane Leaves, bales.....D	.55	.58
Condurango Bark, bales.....D	.08	.08 1/2	ERGOY, Russian.....D	...	...	Henna Leaves, bales.....D	.23	.24
Conium Seeds, bags.....D	.15	.16	Spanish, 150-200 lb bags.....D	.70	.75	Honey, Calif. 120 lb cases.....D	...	.11
Copaiba Balsam Para 80 lb cases..D	.24	.25	Eucalyptus Leaves, bales.....D	.05	.05 1/2	Hops, N. Y. prime bales.....D	.23	.25
S. Amer. 80 lb cases.....D	.29	.30	Euphorbia Filulifera Herb, bags..D	.14	.15	Pacific Coast prime bales.....D	.23	.25
Corn Silk, bales.....D	.05 1/2	.06	Euphorbia Gum, cases.....D	...	.35	Forebound Herb, bales.....D	.07 1/2	.08
Coriander Seed, Bombay bags.....D	...	...	Powdered, boxes.....D	...	.55	Horehound Rush, bags.....D	.14	.15
Morocco, bags.....D	.12	.13	Fennel Seed, French bags.....D	.11 1/2	.12	INDIA GUM, see Karaya		
Bleached, bags.....D	.15	.16	German, bags.....D	.17	.18	Insect Flowers, open whole bales..D	...	.44
Cotton Root Bark, bales.....D	.13	.14	Flax Seed, whole 180 lb bbls.....D	12.25	12.50	Closed whole, bales.....D	...	.50
Cramp Bark, so-called bales.....D	.08	.09	Ground, 180 lb bbls.....D	.06 1/2	.07	Powdered, pure 200 lb bbls.....D	.51	.52
True, bags.....D	.40	.42	Foenugreek Seed, 200 lb bags.....D	.05	.05 1/2	Flowers and stems, 50 p. e. 200 lb bbls.....D	.31	.33
Cranesbill Root, bags.....D	.12	.12 1/2	Fir Balsam, Canada cans.....gal	10.75	11.00	Ipecac Root Cartagena bags.....D	1.60	1.65
CUBE BERRIES, 130 lb bags.....D	.80	.85	Oregon, bbls. cans.....gal	1.35	1.45	Powdered, 200 lb bbls, boxes..D	1.75	1.80
XX, bags.....D	.90	.95	Fish Berries, 100-125 lb bags.....D	.03 1/2	.04	Rio Whole, bags.....D	1.80	1.85
Powdered, boxes.....D	.90	.95	Fringe Tree Bark, bags.....D	.18	.20	Powdered, 200 lb bbls, boxes..D	1.75	1.80
Cumin Seed, Levant bags.....D	...	...	GALANGAL ROOT, bags.....D	.07	.08	Isingiam, American, 130 lb cs..D	.65	.70
Morocco, bags.....D	.30	.31	Galbanum Gum, cases.....D	1.05	1.10	Russian, (Beluga) box cases.....D	...	10.00
Culvers Root, bags.....D	.20	.21	Gambier Gum, bags.....D	...	.10	JABORANDI LEAVES, bales.....D	.30	.31
Cuttlefish Bone, Trieste, straps..D	.19	.20	Gamboge Gum, 160 lb cases.....D	1.20	1.25	Jalap Root, whole 150 lb bags..D	.20	.21
Jewelry, large, straps.....D	.45	.50	Gelsemium Root, bags.....D	.11	.12	Powdered, USP 250 lb bbls.....D	.23	.25
Small, straps.....D	.35	.40	Gentian Root, bags.....D	.08 1/2	.10 1/2	Japan Wax, 224 lb cases.....D	.15	.15 1/2
French, straps.....D	...	.20	Ginger, African, bags.....D	...	.10 1/2	Job's Tears, white bags.....D	.06	.08
Powdered, boxes.....D	...	.14	Jamaica, grinding, bags bbls..D	.33	.40	Juniper Berries, 125 lb bags.....D	.03	.03 1/2
Damar Gum, bales.....D	.50	.53	Japan, bags.....D	.10 1/2	.10 1/2	KAMALA, boxes.....D	3.20	3.25
Damiana Leaves, bales.....D	.10	.11	Cochin, ABC & lemon, bags..D	.11 1/2	.11 1/2	Karaya Gum, powdered bbls.....D	.15	.20
Dandelion Root, imp. bags.....D	.08 1/2	.09	Ginseng Root, cultivated, bags..D	2.00	3.00	Kava Kava Root, bags.....D	.16	.17
Deer Tongue Leaves, bales.....D	.07 1/2	.08	Northwestern Wild, bags.....D	9.00	10.00	Kino Gum, black cases.....D	...	.50
Digitalis Leaves, bales.....D	.06 1/2	.07	Southern Wild, bags.....D	8.00	9.00	Kola Nuts, 150 lb bags.....D	.64	.65
Dill Seed, bags.....D	.08	.10	Golden Seal Root, bags.....D	...	3.50	Kourou Flowers, bags.....D	...	2.50
			Powdered, boxes.....D	3.60	3.75			
			Grains of Paradise, bags.....D	.12	.13			

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LADY SLIPPER ROOT, bags....lb	..	.60	Musk, pods Cabardine tins.....ca	16.00	: 17.00	Patchouli Leaves, bales.....lb	.35	: .38
Larkspur Seed, bags.....lb	.22	: .23	Tonquin .....ca	22.00	: 25.00	Pepper, black Sing, bags.....lb	.09%	: .09%
Laurel Leaves, bales.....lb	.04½	: .05	Grain Cab. ....ca	25.00	: 28.00	White, bags.....lb	.13	: .13½
Lavender Flowers, bales.....lb	..	..	Tonquin .....ca	35.00	: 38.00	Peppers, red Mombasa bags.....lb	.33	: .35
Leeches, tubs .....Per 100	..	: 15.00	Synthetic, see Chemicals.			Cherries, bags.....lb	.16½	: .17
Lemon Peel, bags.....lb	.08	: .08½	Musk Root, Russian bags.....lb	..	..	Bombay, bags.....lb	.15	: .15½
Licorice Root, Russian cut.....lb	..	..	Mustard Seed, Bari brown bags.....lb	.07½	: .07%	Japan, bags.....lb	.42	: .43
Spanish, natural bales.....lb	.07	: .08	Bombay, brown .....lb	.06½	: .06%	Pennyroyal Herb, bales.....lb	.08	: .14
Selected, 2 & 5 lb bundles.....lb	.18½	: .20	California, brown .....lb	.07%	: .08	Peppermint Leaves, imp. bales.....lb	.18	: .20
Powdered, bbls.....lb	.09	: .09½	Yellow .....lb	.04	: .04½	Peru Balsam, 120 lb kegs.....lb	1.65	: 1.75
Life Everlasting Herbs, bales.....lb	.05	: .08	Chinese, yellow .....lb	.08	: .08½	Pichi Leaves, bags.....lb	..	: .18
Lime Juice, clarified bbls.....gal	.50	: .60	English, yellow .....lb	.08	: .09	Pimento, select bags.....lb	.04½	: .04%
Linden Flowers, with leaves, bales.....lb	..	: .20	Dutch, yellow .....lb	.08	: .09	Pink Root, true bags.....lb	..	: .05
Without Leaves, bales.....lb	..	: .20	Danish, yellow .....lb	.07½	: .08	Fitch, Burgundy, see Burgundy Fitch		
Liverwort Leaves, bales.....lb	..	: .25	Myrrh Gum, select 200 lb ca.....lb	.50	: .55	Floury Root, bags.....lb	.22	: .23
Lobelia Herb, bales.....lb	.10	: .12	Sorts, cases.....lb	.45	: .48	Plantain Leaves, bales.....lb	..	: .15
Lobelia Seed, bags.....lb	..	: .70	NUTGALLS, Chinese bags.....lb	.16	: .17	Poke Berries, bags.....lb	..	: .16
Lovage Root, bags.....lb	.30	: .35	Aleppy, bags.....lb	.13	: .14	Poke Root, bags.....lb	.07	: .07½
Lupulin, boxes.....lb	1.25	: 1.30	NUTMEGS, 110s cases.....lb	.20	: .21	Pomegranate Bark, of root bags.....lb	.16	: .17
Lycopodium, 88 lb ca.....lb	.75	: .85	75s 80s cases.....lb	.24½	: .25	Of Fruit, bags.....lb	.16	: .17
MACE, Slaus, No. 1 cases.....lb	.45	: .48	Nux Vomica Buttons, bags.....lb	.07	: .08	Poppy Flowers, red bags.....lb	.30	: .35
Banda, No. 1 cases.....lb	.48	: .49	Powdered, 200 lb bbls.....lb	.10½	: .11	Poppy Seed, Dutch bags.....lb	.16	: .16½
Batavia, cases.....lb	.40	: .41	OAK BARK, red bags.....lb	.05	: .08	German, bags.....lb	.15%	: .16%
Malva Flowers, blue bales.....lb	.35	: .38	White, bags.....lb	.05	: .08	Turkish, bags.....lb	.08	: .08
Black, bales.....lb	..	..	Olibanum Gum, sift 280 lb cases.....lb	.10	: .11	Blue Indian, bags.....lb	.08	: .08½
Manna, large flake cases.....lb	.85	: .90	Tears, 280 lb cases.....lb	.14½	: .15	White Indian, bags.....lb	.07	: .07½
Small flake, cases.....lb	.48	: .50	Opium, gum USP cases.....lb	..	: 6.75	Prickly Ash Bark Southern, bags.....lb	.14	: .14½
Sorts, cases.....lb	.45	: .48	Granular, cans.....lb	..	: 7.75	Northern, bags.....lb	.14	: .14½
Mandrake Root, bags.....lb	.16	: .17	Powdered, USP cans.....lb	..	: 7.75	Prickly Ash Berries, bags.....lb	.11	: .12
Mastic Gum, 120 lb cases.....lb	.54	: .56	Orange Flowers, cases.....lb	..	: 1.00	Prince's Pine, bales.....lb	.14	: .15
Mesereon Bark, bags.....lb	.11	: .12	Orange Peel, bitter bags.....lb	.05½	: .08	Pulsatilla Herb, bags.....lb	..	: .40
Matteo Leaves, bales.....lb	.18	: .20	Sweet, bags.....lb	.05	: .05½	Pumpkin Seed, bags.....lb	.14	: .15
Marjoram Leaves, German bales.....lb	.22½	: .23½	Orris Root Florentine bold bags.....lb	.07	: .08	QUASSIA CHIPS, bags.....lb	.07½	: .08
French, bales.....lb	.14	: .16	Verona, bags.....lb	.05	: .08	Queen of the Meadow Herb, bags.....lb	.08	: .08½
Millet Seed, dom. yellow bags.....lb	.03	: .03%	Powdered, 200 lb bbls.....lb	.08	: .09	Quince Seed, bags.....lb	1.25	: 1.75
Montan, Wax, crude bags.....lb	.04½	: .05	Fingers, cases.....lb	.75	: .80	RAPE SEED, South Amer. bags.....lb	.06½	: .07
Bleached.....lb	..	..	Osokerite Wax, brown hard bags.....lb	.22	: .24	Dutch, bags.....lb	.08½	: .08%
Moss, Iceland bales.....lb	.07	: .08	Green, hard bags.....lb	.25	: .28	Japanese, small, bags.....lb	.06%	: .07%
Irish, bleached bales.....lb	.07	: .09	Refined, yellow bags.....lb	..	..	Raspberries, dried boxes.....lb	.35	: .40
Mullein Flowers, tins.....lb	.55	: .60	PAPRIKA, bags.....lb	.16	: .24	Red Saunders.....lb	.18	: .20
			Parsia Brava Root, bags.....lb	.23	: .25	Rhatany Root, bags.....lb	.10	: .11
			Parsley Seed, bags.....lb	.08	: .09	RHUBARB, H. D. cases.....lb	.48	: .50
						Powdered, 200 lb bbls.....lb	.55	: .58
						Rosemary Leaves, bales.....lb	.03	: .04



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Rosemary Flowers, cases bales...D	.28	: .30	Snake Root, Canada natural bags...D	...	: .30	Tragacanth Gum, No. 1, ribbon,		
Rose Petals, pale .....	.25	: .30	Stripped, bags .....	.48	: .50	200 lb cs. ....D	1.80	: 1.85
Red .....	...	: .65	SOAP BARK, whole, 150-200 lb			No. 2 to No. 6, cases ....D	1.00	: 1.50
Rue Herb, bales.....D	.25	: .30	bales .....	.06 1/4	: .07	Powdered, 50 lb boxes.....D	1.00	: 1.50
SABADILLA SEED, bags.....D	...	: .13	Cut, 125-175 lb bags.....D	.08	: .08 1/4	Turkish, cases .....	.75	: .90
Saffron Flowers, Amer. bales.....D	1.45	: 1.50	Crushed, 200 lb bbls.....D	.08 1/4	: .09	Turmeric Root, Madras bags.....D	.07	: .07 1/4
Valencia 1 lb cans.....D	...	: 30.00	Powdered, 200 lb bbls.....D	.12	: .13	Aleppy, bags .....	.06 1/4	: .06 1/2
Sage, Dalmatian bales.....D	.05 1/4	: .06	Spearment Leaves, American bales...D	.23	: .24	China, bags .....	.05 1/4	: .06
Greek, bales .....	.04 1/2	: .05	Spermaceti, blocks cakes cases...D	.36	: .37	Turpentine, Venice, true 80 lb cs. lb	.28	: .30
Spanish, bales .....	.03	: .04	Spikenard Root, bags.....D	.17	: .18	Artificial, 80 lb cases.....D	.09 1/4	: .12
Sandalwood, chips bags.....D	...	: .35	Spruce Gum, boxes.....D	1.00	: 1.50	Spirits, see Naval Stores		
Ground, bags .....	...	: .40	Squaw Vine, bales.....D	.16	: .18	UNICORN ROOT, false, see Helonias		
Sandaree Gum, 300 lb bbls.....D	.25	: .27	Squill Root, white bags.....D	.04	: .04 1/4	True, see Aletris		
Sarsaparilla, Honduras bales.....D	.47	: .48	Stavesacre Seed, bags.....D	...	: .35	Uva Ursi Leaves, bales.....D	.05 1/4	: .06
Mexican, bales .....	.30	: .31	Stillingia Root, bags.....D	.09	: .09 1/2	VALERIAN ROOT, Belgian bags...D	.12	: .14
Sassafras Bark, ordinary bales...D	.10	: .14	Stone Root, bags.....D	.09	: .10	Vanilla Beans Mex. whole cases...D	10.00	: 12.00
Select, bales .....	.21	: .22	Storax, liquid artif.....D	.75	: .80	Cults, cases	7.00	: 7.25
Savory Leaves, bales.....D	.09 1/4	: .10	Gen. USP	1.10	: 1.20	Bourbon, cases	2.75	: 3.25
Saw Palmetto Berries, bags.....D	.12	: .13	St. Ignatius Beans, bags.....D	...	: .22	South American, cases.....D	7.00	: 7.25
Scammony Resin, boxes.....D	1.00	: 1.10	St. John's Bread, bags.....D	.03	: .06	Tahiti, yellow label cases.....D	2.00	: 2.25
Scammony Root, bags.....D	.05	: .06	Stramonium Leaves, bales.....D	.08 1/4	: .09	Green Label, cases.....D	2.00	: 2.25
Senega Root, bags.....D	.75	: .80	Stramonium Seed, bags.....D	.13	: .14	Violet Flowers, bags.....D	...	: .70
SENNA, Alex, 150 lb cases.....D	.33	: .35	Strophanthus Seed, Elapidus.....D	...	: .35	Wahoo BARK, of root bags.....D	.52	: .53
Half Leaf, 350 lb bales.....D	.14	: .15	Kombe, bags .....	...	: .07 1/4	Of Tree, bags.....D	.25	: .26
Siftings, 400 lb bales.....D	.09	: .09 1/4	Sunflower Seed, domestic bags...D	.07	: .07 1/4	White Pine Bark, rossed, bags...D	.06	: .07
Powdered, 200 lb bbls.....D	.12	: .13	South American, bags.....D	.05 1/4	: .06 1/4	White Poplar Bark, bags.....D	.04	: .05
Tinnoevly, job. 350 lb bales.....D	.10	: .14	TAGALDER BARK, bags.....D	.05	: .05 1/4	Wild Cherry Bark, thin green		
Grinding, 350 lb bales.....D	.05	: .08	Tamarinds, bbls. ....D	.04	: .04 1/4	Rossed, bales .....	.10	: .12
Pods, 350 lb bales.....D	.06 1/4	: .07	Kegs	2.75	: 3.00	Thick Rosed, bales.....D	.06 1/4	: .07
Powdered, 200 lb bbls.....D	.08	: .09	Tansy Leaves, bales.....D	.18	: .20	Thin Natural, bales.....D	.07	: .07 1/4
Serpentaria Root, bags.....D	.85	: .90	Tar. Barbadoes, 50 gal. bbls. gal.	1.60	: 1.75	Thick Natural, bales.....D	.04 1/4	: .05
Shellac, T.N., bags .....	.82	: .83	Thun Gum, bbls.....D	4.50	: 6.00	Willow, bark bags.....D	...	: .06
Superfine Orange, bags.....D	.66	: .68	Thyme, Spanish bales.....D	.07 1/4	: .08	White, bags .....	...	: .15
D. C., bags .....	.85	: .90	French, bales .....	.09	: .09 1/4	Witch Hazel Bark, bags.....D	...	: .08
V. S. O., cases.....D	.85	: .90	Tilia. See Linden			Witch Hazel Leaves, bales.....D	...	: .09
Ground reg., 350 lb bbls.....D	.75	: .78	Tolu Balsam, 90 lb cases.....D	.85	: .70	Worm Seed, American bags.....D	.10	: .11
Regular Bleached, 350 lb bbls...D	.72	: .74	Tonga Bark, bags.....D	.30	: .31	Levant, bags	3.00	: 3.25
Bone Dry, 350 lb bbls.....D	.75	: .77	Tonka Beans, Angostura cases...D	...	: 2.25	Wormwood Herb, imported bales...D	.10	: .12
Sideritis Herb, cut bags.....D	.14 1/4	: .16	Para, cases .....	.80	: .85	YELLOW DOCK ROOT, bags.....D	...	: .12
Simaruba Bark, bales.....D	.12	: .13	Surinam, cases .....	.85	: .95	Yellow Parilla Root, bags.....D	...	: .20
Skullcap Leaves, bales.....D	...	: .20				Yerba Santa, bags.....D	.10	: .11
Sloe Berries, bags.....D	.10	: .12				Zedary Root, bags.....D	...	: .10

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Almond, Bitter USP 5 lb. bots.....lb	4.75	:	5.25
Bitter fl PA 5 lb. bots.....lb	4.75	:	5.00
Artificial. (See Benzaldehyde—Chemicals)			
Sweet, 56 lb cans.....lb	42½%	:	.45
Peach Kernel, 55 lb tins.....lb	.25	:	.27
Apricot, see Peach Kernel			
Amber, crude 25 lb tins.....lb	.75	:	.80
Rectified, 25 lb tins.....lb	1.00	:	1.10
Angelica Root, 1 lb bot.....lb	38.00	:	29.00
Seed, 1 lb bot.....lb	36.00	:	38.00
ANISE, Tech., 60 lb case.....lb	.50	:	.52½
USP 50 lb drums.....lb	.55	:	.60
Bay, 25 lb tin.....lb	2.45	:	2.60
Bergamot, USP 25 lb coppers.....lb	3.15	:	3.25
Artificial, 25 lb cans.....lb	2.25	:	2.50
Birch Tar, rect. 5 lb bot.....lb	.	:	2.75
Crude, 50 lb tins.....lb	.	:	1.75
Bois de Rose, 25 lb tins.....lb	2.50	:	2.75
Cajuput, native 50 lb tin.....lb	.85	:	.70
Cade, USP 25 lb tins.....lb	.50	:	.60
USP, 5 lb bot.....lb	.70	:	.80
Calamus, 5 lb bot.....lb	4.25	:	4.75
Camphor, 1000 lb drums.....lb	11½%	:	.12
Japanese, white, 72 lb cases.....lb	18	:	.20
Chinese, white 1000 lb drums.....lb	18	:	.18
Cananga Native, 25 lb tins.....lb	2.50	:	2.75
Rectified, 25 lb tins.....lb	2.75	:	3.00
Caraway, USP rec. 25 lb tins.....lb	4.25	:	4.50
Crude, 50 lb tins.....lb	4.00	:	4.25
Cardamon, USP 1 lb bot.....lb	13.00	:	14.00
Carrol, 5 lb bot.....lb	6.75	:	7.00
CASSIA, 75-80 p e 60 lb cases.....lb	.	:	.
Redistilled, USP 50 lb cans.....lb	1.75	:	1.80
Cedar Leaf, 50 lb tins.....lb	.80	:	.90
Cedar Wood, light 1000 lb drums.....lb	.25	:	.26
Celery, 1 lb bot.....lb	9.00	:	10.00
Cinnamon, Ceylon 1 lb bot.....lb	12.00	:	17.00
Leaf, 5 lb bot.....lb	.	:	2.00
CITRIMELLO 50 lb tin.....lb	.	:	.57½
Citronell, 400 lb drums.....lb	53½%	:	.55
Java, 400 lb drums.....lb	.68	:	.70
50 lb tins.....lb	.	:	.76
Cloves, USP, 50 lb cans.....lb	2.15	:	2.25
6 lb bot.....lb	2.20	:	2.30

Copaiba, USP 50 lb tins.....lb	.40	:	.45
Coriander, USP 1 lb bot.....lb	11.50	:	12.00
Croton, USP 25 lb tins.....lb	1.00	:	1.10
Cubeb, USP 5 lb bot.....lb	5.75	:	6.00
Cumin, 1 lb bot.....lb	10.00	:	12.00
Dill, 1 lb bot.....lb	.	:	.50
Erigerson, 20 lb tins.....lb	1.25	:	1.50
EUCALYPTUS, Austl. USP 50 lb cs.....lb	.38	:	.40
Fennel USP, 25 lb tins.....lb	1.40	:	1.50
Geranium, Algerian 25 lb tins.....lb	9.00	:	10.00
Bourbon, 25 lb tins.....lb	5.00	:	5.25
Turkish, 25 lb tins.....lb	.	:	5.00
Ginger, 1 lb bot.....lb	2.75	:	3.00
Grassparas, 25 lb tins.....lb	1.05	:	1.20
Hemlock, 50 lb cans.....lb	2.75	:	3.00
Juniper Berries, USP 25 lb tin.....lb	1.10	:	1.15
Wood, 50 lb tins.....lb	.50	:	.60
Lavender, USP, 25 lb tins.....lb	3.25	:	4.00
Spice, Spanish 50 lb cans.....lb	.70	:	.80
LEMON, Ital. USP, 25 lb tins.....lb	.65	:	.80
American, USP, 25 lb tins.....lb	.70	:	.75
Lemongrass, native, 50 lb cans.....lb	.90	:	.95
Limes, express 25 lb tins.....lb	2.65	:	2.75
Distilled 25 lb tins.....lb	.50	:	.55
Linaloe, Mex. 80 lb cases.....lb	2.60	:	2.80
Mild, distilled, 60 lb bins.....lb	.95	:	1.05
Mirbane, refd., see Nitrobenzene—Chemicals			
Mustard, USP, 1 lb bot.....lb	.	:	17.00
Artif., USP, 5 lb bot.....lb	3.00	:	3.10
Neroli, Bigarade ¼ and 1 lb bot.....lb	75.00	:	80.00
Nutmeg, 1 lb bot.....lb	8.00	:	10.00
Artificial, 1 lb bot.....lb	10.00	:	15.00
Nutmeg, USP 25 lb tins.....lb	.95	:	1.05
Orange, Bitter 25 lb cs.....lb	2.90	:	3.00
Sweet W. Ind. 25 lb cs.....lb	2.50	:	2.65
Italian, 25 lb cop.....lb	2.75	:	2.90
American, 25 lb tins.....lb	2.90	:	3.00
Origanum, 50 lb cans.....lb	.25	:	.30
Parsley, 1 lb bot.....lb	5.00	:	5.50
Patchouli, 5 lb bot.....lb	8.25	:	12.00
Penroyal, dom 25 lb tins.....lb	1.85	:	2.25
Imported, 25 lb tins.....lb	1.65	:	1.75
PEPPERMINT, nat. 60 lb cases.....lb	2.90	:	3.00
Redist., USP, 60 lb cases.....lb	3.25	:	3.35

Petit Grain, S. Am. 25 lb tins.....lb	1.70	:	1.80
French, 1 lb bot.....lb	7.80	:	8.00
Pimento, 25 lb bot.....lb	1.80	:	1.90
Pinus Sylvestris, 25 lb tins.....lb	.	:	3.00
Pumilio, USP 25 lb tins.....lb	.	:	3.00
Rose, Fr., 8, 16 & 32 oz pkgs. or Bulg., 8, 16 & 32 oz pkgs. or Artificial, 1 lb bot.....lb	2.00	:	3.00
Rosemary, USP 27½ lb tins.....lb	.50	:	.55
Tech., 27½ lb tins.....lb	.	:	.50
Rue, 1 lb bot.....lb	4.25	:	4.50
Sandalwood, E Ind USP 40 lb cases.....lb	6.75	:	7.00
W. Indian, (Amrys) 25 lb tins.....lb	4.00	:	4.10
Sassafras, USP 50 lb cans.....lb	.80	:	.90
Artificial, 63 lb cans, 400 lb drs.....lb	.42	:	.45
Savin, 5 lb tins.....lb	2.75	:	2.85
Spearmint, USP 40 lb cases.....lb	2.75	:	2.85
Spruce, 50 lb tins.....lb	1.05	:	1.20
Styrac, Amer., 20 lb tins.....lb	9.00	:	9.50
Tar, 50 gal. bbls.....gal	.24½%	:	.26
Refined, USP 25 lb tins.....lb	.	:	2.75
Thyme, red, USP 25 lb tins.....lb	.90	:	1.00
White, USP 25 lb tins.....lb	1.00	:	1.15
Crude, 110 lb drums.....lb	.85	:	.90
Vetiver, Bourbon 1 lb bot.....lb	5.00	:	6.00
Java, 1 lb bot.....lb	25.00	:	28.00
Wine, heavy 1 lb bot.....lb	.	:	2.75
WINTERGREEN			
Sassafras, 25 lb tins.....lb	2.00	:	3.00
Gaultheria, true 25 lb tin.....lb	4.00	:	7.00
Synthetic, USP 50 lb cans.....lb	.	:	.41
Wormseed, Balt., USP 25 lb tins.....lb	2.40	:	2.50
Wormwood, dom., 25 lb tin.....lb	9.50	:	10.00
Yang Yang, Bourbon 10 lb tins.....lb	8.00	:	9.00
Manila, 1 lb bot.....lb	30.00	:	35.00
Artificial, 1 lb bot.....lb	10.00	:	12.00
OILS OF			
Aspidium, USP 1 lb bot.....lb	2.75	:	3.00
Capicum, USP, 5 lb bot.....lb	2.00	:	2.75
Cashu, USP 1 lb bot.....lb	6.40	:	6.50
Ginger, 5 lb bot.....lb	2.50	:	2.65
Maistera, See Aspidium			
Mullein (so-called) 1 lb bot.....lb	.	:	1.50
Orin, 1 lb bot.....lb	.	:	18.00
Pepper, black, USP, 1 lb bot.....lb	3.50	:	4.00
Vanilla, 1 lb bot.....lb	9.00	:	9.50

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Anethol, 2 lb bot.....	1.75	:	2.50
Borcelol, 1 lb bot.....	...	:	3.50
Citronellol, 1 lb bot.....	1.75	:	2.00
CITRAL, 25 lb cans.....	3.00	:	3.50
EUCALYPTOL, USP, 25 lb cans.....	.80	:	.85
Eugenol, USP, 25 lb cans.....	3.25	:	3.50
Geraniol, 50 lb cans.....	2.25	:	3.00
Pure, 5 lb bot.....	3.50	:	4.00
iso-Eugenol, 1 lb bot.....	4.00	:	4.50
Linalool, 5 lb bot.....	4.50	:	5.50
MENTHOL, 60 lb cans.....	...	:	6.00
Less cases, 5 lb cans.....	6.15	:	6.25
Rhodiol, 1 lb bot.....	13.00	:	16.00
SAFROL, 60 lb cans.....	.55	:	.60
Thymol, USP, 10 lb cans.....	3.90	:	4.15

SYNTHETIC AROMATICS			
Acetaldehyde, 50% sol pure, 5 lb bot. lb	1.75	:	2.00
Acetophenone CP, 1 lb bot.....	3.50	:	4.00
Amyl Acetate, pure, 5 gal cans. gal	4.00	:	6.00
Amyl Butyrate, 1 lb bot.....	2.00	:	2.10
Amyl Formate, 1 lb bot.....	1.75	:	2.00
AMYL SALICYLATE, 100 lb chys. lb	1.25	:	1.40
Anisic Aldehyde, 1 lb bot.....	3.50	:	4.00
BENZALDEHYDE, USP, 25 lb cans lb	1.40	:	1.50
FFC, 25 lb cans.....	1.60	:	1.70
Benzole Ether, See Ethyl Benzoate			
Benzyl Acetate, 100 lb chys.....	1.15	:	1.20
Benzyl Alcohol, 5 lb bot.....	1.10	:	1.25
BENZYL BENZOATE, 5 lb bot.....	1.40	:	1.70
Benzyl Formate, 1 lb bot.....	3.50	:	3.75
Bromstyrol, 25 lb kegs.....	...	:	3.50

Butyric Ether, See Ethyl Butyrate			
Cinnamic Acid, 5 lb cans.....	2.75	:	3.00
Cinnamic Alcohol, 1 lb bot.....	15.00	:	16.00
Cinnamic Aldehyde, 1 lb bot.....	3.25	:	3.75
CITRONELLOL, 1 lb bot.....	8.00	:	12.00
COUMARIN, 25 lb cans.....	3.50	:	3.75
DIETHYL PHTHALATE, 25 lb cans lb	.90	:	1.00
Diphenyl oxide, 25 lb tins.....	.85	:	.90
Ethyl Acetate, pure, 5 lb bot.....	.45	:	.50
Ethyl Benzoate, 5 lb bot.....	1.75	:	2.00
Ethyl Butyrate, 5 lb bot.....	2.00	:	2.25
Ethyl Cinnamate, 1 lb bot.....	5.00	:	5.50
Ethyl Formate, 5 lb bot.....	1.00	:	1.10
Ethyl Valerate, 5 lb bot.....	4.50	:	4.75
Formic Ether, See Ethyl Formate			
Geranyl Acetate, 1 lb bot.....	5.25	:	5.50
Hellotropin, 10 lb bot.....	2.25	:	2.50
Indol, CP, 1 oz bot.....	10.00	:	11.00
Ionone, 1 lb bot.....	5.50	:	8.00
Linalyl Acetate, 1 lb bot.....	8.00	:	9.00
Linalyl Benzoate, 1 lb bot.....	13.00	:	14.00
METHYL ANTHRANILATE, 1 lb bot.....	2.75	:	3.00
Methyl Cinnamate, 1 lb bot.....	5.00	:	5.75
Methyl Paracresol, 1 lb bot.....	8.00	:	9.00
METHYL SALICYLATE, USP 50 lb			
cases.....	.41	:	.42
Second Hands.....	.40	:	.41
Mirbane, rect. 1000 lb drums.....	.10	:	.11
Musk Ambrette, 1 lb cans.....	15.00	:	16.00
Musk Ketone, 1 lb cans.....	9.00	:	10.00
Musk Xylene, 5 lb cans.....	3.25	:	3.50
Nerolin, 1 lb cans.....	2.00	:	2.50
Phenylacetaldehyde, 1 lb bot.....	7.50	:	9.00
Phenylacetic Acid, 1 lb bot.....	2.50	:	4.00
PHENYLETHYLALCOHOL, 1 lb bot.....	4.00	:	5.00
Phenylpropylalcohol, 1 lb bot.....	15.00	:	16.00

TERPINEOL, CP, 1000 lb drums. lb	.50	:	.60
Cans 50 lb.....	.55	:	.60
Imported, 25 lb cans.....	.70	:	.75
Terpinyl Acetate, 25 lb cans.....	1.65	:	1.75
VANILLIN, USP, 400 oz cans.....	.43	:	.45
Cans, 16 oz., 80 oz.....	.45	:	.46
Second Hands, cans.....	.43	:	.47
Valerianic Ether, See Ethyl Valerate			
Yara Yara, 1 lb cans.....	2.00	:	2.50

PERFUMERS' SUNDRIES			
Almond Meal, 25 lb cans.....	.28	:	.40
Ambergris, black, bxs.....	...	:	8.00
Ambergris, gray, bxs.....	...	:	23.00
Balsam Copaiba, Para, 80 lb cases lb	.24	:	.25
South American, 80 lb cases.....	.29	:	.30
Balsam Peru, 60 lb cans.....	1.65	:	1.75
Balsam Tolu, 90 lb cases.....	.70	:	.75
Benzoic Gum, Siam, bxs.....	1.40	:	1.60
Castoreum, 1 lb bot.....	...	:	4.00
Chalk, precip. light, 175 lb bbls. lb	.04	:	.04 1/4
Cherry Laurel Water, 5 gal cans. gal	1.15	:	1.25
Civet Abyssin horns.....	2.75	:	3.00
Labdanum, 5 lb bot.....	...	:	8.00
Lanolin hydrous, 350 lb bbls.....	.18	:	.20
Anhydrous, 350 lb bbls.....	.22	:	.24
Musk pods, Cabardine, tins.....	16.00	:	17.00
Tongulu, tins.....	22.00	:	25.00
Grains, Cabardine, tins.....	25.00	:	26.00
Tongulu, tins.....	35.00	:	38.00
Synthetic, See Aromatic Chemicals			
Orris Rt Flor, powd. bbls.....	.09	:	.10
Verona, bbls.....	.08	:	.09
Rice Starch, 140 lb bgs.....	.08	:	.09
Rose Water, 5 gal chys.....	1.25	:	1.50
Sandalwood chips, powd, bags.....	.35	:	.40
Saponin, 5 lb tins.....	1.65	:	1.75
Talc Italian, 220 lb bgs.....	30.00	:	40.00
Talc French, 220 lb bags.....	20.00	:	30.00
Talc, domestic ref., 100 lb bags.....	20.00	:	30.00

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- HERES**—90 bls., Bernard Judae & Co., Leghorn; 15 bls., Peek & Velsor, Hamburg; 19 bls., J. L. Hopkins & Co., Hamburg; Dried, 37 pkgs., Hensel Bruckmann & Lorbacher, Bremerhaven
- INSECTICIDE**—2 cs., Maltus & Ware, London
- IRON OXIDE**—33 csks., L. H. Butcher & Co., Liverpool; 10 csks., C. B. Chrystal Co., Liverpool; 40 csks., E. M. & F. Waldo, Liverpool; 200 bbls., Order, Hamburg
- LEAVES**—Buchu, 2 bls., Brown Bros. & Co., London; Henna, 5 bls., Order, Marseilles; Senna, 50 bls., Order, Colombo; 48 bls., Brown Bros. & Co., London; Pods, 25 bls., Order, Colombo; Stramonium, 32 bls., Chemical National Bank, Hamburg
- LICORICE EXTRACT**—30 cs., First National Bank of Boston, Catania; 25 cs., Order, Catania; Juice, 5 cs., Order, London
- MEDICINALS**—7 cs., G. J. Fajardo, San Juan; 4 cs., T. Nevin, London; 15 cs., Lanman & Kemp, Hongkong; 3 cs., J. Personeni, Inc., Genoa; 1 cse., J. Personeni, Inc., Naples
- MINERAL WHITE**—200 bgs., C. B. Chrystal & Co., Hull; 50 bgs., L. A. Salomon & Bros., Hull
- NAPHTHALINE**—650 bgs., Lunham & Moore, Rotterdam
- OCBRE**—130 csks., J. L. Smith & Co., Marseilles; 209 csks., American Exchange National Bank, Marseilles; 100 csks., F. B. Vandegriest & Co., Marseilles; 73 csks., Reichard Coulston, Marseilles; 216 csks., American Exchange National Bank, Marseilles; Red, 42 csks., J. L. Smith & Co., Hull; 100 bbls., C. J. Osborn Co., Malaga
- OILS**—Castor, 100 bbls., Columbia Trust Co., Hull; 56 bbls., Brown Bros. & Co., Hull; Fusel, 6 csks., Order, Hamburg; Linseed, 150 bbls., Order, Hull; 300 bbls., Order, Antwerp; Mineral, 1 bbl., American Express Co., Barcelona; Nut, 573 csks., American Linseed Co., Hankow; Olive, 10 bbls., A. E. Rittwagen, Malaga; 5 cs., J. Pattengill Transport, Santander; 42 bbls., J. Viuhaki, Constantinople; 19 cs., Order, Catania; 5 bbls., D. Santoro, Messina; 4 bbls., S. Morganti, Messina; 8 cs., L. Serra, Messina; 4 bbls., G. G. Di Rosa, Messina; 10 bbls., B. Pancello, Messina; 2 bbls., A. Araldi, Messina; 5 cs., A. Crisapilli, Messina; 400 cs., Order, Genoa; 4 cs., L. Demarsico, Naples; 50 cs., Orbis Produce & Trading Co., Marseilles; 100 bbls., Lazard Freres, Barcelona; 20 cs., M. Caragol & Son, Barcelona; 3 bbls., Strohmeyer & Arpe Co., Barcelona; 55 cs., J. Wise Sons & Co., Marseilles; 574 cs., W. A. Taylor & Co., Barcelona; 4 csks., C. B. Sortino, Palermo; 114 cs., Colombo Co., Palermo; 8 csks., Gallagher & Ascher, Palermo; 4 csks., Order, Palermo; 2 cs., Order, Monopoli; 125 cs., A. Nicholass, Bari; 25 cs., U. Allegretta, Bari; 1 cse., C. H. Hollinshead, Bari; 20 cs., V. Amato, Catania; 3 bbls., L. Serrie, Catania; 600 cs., Order, Leghorn; 165 cs., East River National Bank, Genoa; 100 cs., Order, Genoa; 20 cs., Amermann & Patterson, Barcelona; 50 cs., American Exchange National Bank, Barcelona; 15 cs., Transoceanic Brokerage Co., Barcelona; 1 cse., E. L. Goodsell, Malaga; 50 cs., National City Bank, Malaga; 50 bbls., 100 cs., Chase National Bank, Malaga; 50 bbls., M. P. Tribuno, Malaga; 100 cs., F. H. Leggett & Co., Malaga; Olive Sulfur, 500 bbls., Mechanics & Metals Bank, Catania; 100 bbls., Order, Catania; 401 bbls., Banca Commerciale Italiana, Naples; Palm, 78 pkgs., Banco National Ultramarino, Loanda; 80 drs., Niger Co., Ltd., Matadi; 195 pkgs., Banco National Ultramarino, Loanda; Rape, 350 bbls., Tunley & Co., Hull; 100 bbls., National City Bank, Hull; 128 bbls., Order, Hull; Crude, 50 bbls., Boyes Kionte, Ltd., Hull; Wood, 588 csks., G. W. S. Patterson & Co., Hankow; 120 csks., Dodwell & Co., Hankow
- OILS, ESSENTIAL**—200 cs., B. Harner, Inc., Catania; 5 cs., Bull Insular Line, Vigo; 12 cs., Order, Catania; 130 qu. cs., Lautier Fils, Messina; 125 qu. cs., Order, Messina; 60 cs., Heidelberg Ickelheimer & Co., Naples; 1 cse., Morana, Inc., Marseilles; 5 drs., Order, Malaga; 17 cs., General Trans. Co., Naples; 3 cs., Ocean Shipping Co., Naples; Bay, 18 cs., G. Preston, Arroyo; Bergamot, 50 cs., G. Lueders & Co., Messina; 20 cs., East River National Bank, Messina; Cassia, 70 cs., Order, London; Geranium, 2 csks., 11 demijohns, Davies Turner & Co., Marseilles; Lemon, 150 bxs., Order, Palermo; 200 cs., G. Lueders & Co., Messina; 200 cs., East River National Bank, Messina; 1 cse., Fritzsche Bros., Messina; 100 cs., Order, Messina; Linaloe, 5 cs., W. Benkert & Co., Vera Cruz; Neroli, 1 qu. cs., Brown Bros. & Co., Messina; Orange, 100 hft. cs., Brown Bros. & Co., Messina; 4 cs., A. S. Lascelles & Co., Jamaica; Rose, 11 cs., G. Lueders & Co., Bremerhaven; Rosewood, 3 drs., Middleton & Co., Cayenne; 12 drs., French American Banking Corp., Cayenne; Thyme, 1 drum, Goldman Sachs & Co., Liverpool; Ylang Ylang, 7 cs., Ungerer & Co., Marseilles
- PHENOL**—500 kgs., Monsanto Chemical Wks., Liverpool; 168 drs., E. I. du Pont de Nemours & Co., Liverpool
- POTASSIUM SALTS**—2,103 bgs., Societe Comm. de Potasses D'Alsace, Antwerp; Bicarbonate, 150 drs., Order, Rotterdam; 20 bbls., Innes Speiden & Co., Hamburg; Carbonate, 32 csks., C. Hardy & Ruperti, Hamburg; 32 csks., Order, Hamburg; 17 csks., F. H. Petry & Co., Bremerhaven; Caustic, 149 csks., Roessler & Hasslacher Chemical Co., Hamburg; 40 drs., Innis Speiden & Co., Hamburg; Chlorate, 66 bgs.,
- Order, Hamburg; 480 bbls., Anglo South American Bank, Hamburg; 200 bgs., Order, Hamburg; Cyanide, 25 cs., Order, Hamburg; Sulfate, 500 bgs., A. Vogel, Bremerhaven
- QUICKSILVER**—250 flasks, Order, Leghorn
- ROOT—Belladonna**, 20 bls., Chemical National Bank, Hamburg; 96 bgs., Chemical National Bank, Hamburg; Broom, 89 bls., H. Triest Co., Vera Cruz; 140 bls., G. Ramos, Vera Cruz; 434 bls., Order, Vera Cruz; Canagria, 14 bgs., W. Benkert & Co., Vera Cruz; Fustic, 1 pc., Order, Jamaica; Licorice, 22 bls., A. M. Leslie & Co., Barcelona; Orris, 6 bgs., Order, Leghorn
- SAFFRON**—1 cse., U. S. Fwdg. Co., Barcelona
- SAL AMMONIAC**—38 csks., R. Sauto & Co., Hamburg; 14 csks., Order, Hamburg
- SALT**—1,960 sks., W. A. Hazard & Co., Liverpool
- SEED**—6 bgs., A. Stallman & Co., Hamburg; Aniseed, 100 csks., Order, Malaga; Flax, 34,308 bgs., L. Dreyfus & Co., Rosario; Mustard, 400 bbls., Irving National Bank, Bari; 130 bbls., Order, Bari; 200 bls., Irving Bank, Catania; 200 bls., American Express Co., Catania
- SOAP**—200 cs., Equitable Trust Co., Barcelona; 25 cs., L. M. Goldsmith, Barcelona; 50 cs., L. E. Goldberg, Barcelona; 8 cs., Yardley & Co., London; 5 cs., Order, London; 3 cs., Palmolive Co., Bilbao; 68 cs., E. Arden, Southampton; 500 cs., J. P. Smith & Co., Marseilles
- SODIUM SALTS—Bicarbonate**, 300 bbls., N. Y. Cuba Mail S. S. Co., Tampico; Carbonate, 20 kgs., Johnson & Sons, London; 10 cs., W. Houbegout, Antwerp; Cyanure, 280 cs., Order, Marseilles Prussiate, 23 csks., National Bank of Commerce, Liverpool; 58 csks., Order, Liverpool; Sulfide, 83 drs., Order, Antwerp; 316 drs., Order, Hamburg
- SPICES**—Cloves, 500 bls., Frame & Co., London; Ginger, Dry, 6 bgs., Order, Karachi; Preserved, 10 cs., Sincere Trading Co., Hongkong; Mace, 10 cs., 9 bbls., Catz American Co., Grenada; 29 pkgs., Frame & Co., Grenada; 8 cs., Order, Penang; Mustard, 18 crts., J. P. Smith & Co., Havre; Dross, 500 bgs., J. & J. Colman, Ltd., London; Pepper, 50 hampers, A. Morsci & Co., Naples; Black, 396 bgs., L. Littlejohn & Co., Singapore; Pimento, 330 cs., Steinhart & Nordlinger, Bilbao; 500 bgs., Order, Jamaica
- TURMERIC**—5 bgs., Order, Karachi
- SUMAC**—700 bgs., Irving National Bank, Palermo
- TALC**—3,500 bgs., Italian Discount & Trust Co., Genoa; 200 bgs., L. A. Salomon, Genoa
- TARTAR**—511 sks., Royal Baking Powder Co., Marseilles; 350 sks., C. Pfizer & Co., Marseilles; 86 csks., Royal Baking Powder Co., Marseilles
- ULTRAMARINE**—16 csks., Fezandie & Sperrle, Liverpool
- VANILLA BEANS**—35 cs., Dodge & Olcott Co., Vera Cruz; 6 cs., Russian Produce, Ltd., Marseilles; 66 cs., Thurston & Braidich, Marseilles
- VERDET**—20 csks., C. L. Huisking, Marseilles
- WAX**—39 bgs., Order, Catania; 4 bgs., W. R. Grace & Co., Santo Domingo City; 2 bxs., D. Steengrafe, Aquadilla; Bees, 33 bgs., F. Ricart & Co., Barahona; Mineral, 20 bgs., Order, London
- ZINC OXIDE**, 50 csks., Tidewater Chemical Co., Antwerp; 50 bbls., Order, Marseilles; Sulfide, 1 ck., C. A. Sykes, London

NEW OXALIC ACID PLANT IN SOUTH

(Special to DRUG & CHEMICAL MARKETS)

Huntsville, Ala., Sept. 27.—The Perfect Products Co., incorporated here last week with a capital of \$100,000, will manufacture oxalic acid for the textile industry. Tracy W. Pratt has been elected president; C. A. Grote, vice-president; W. P. Dilworth, treasurer, and Kenneth Martin, secretary and manager.

M. Martin, who organized the company, states that oxalic acid will be manufactured under the new Rankin process. He says that about 12,000,000 pounds of oxalic are used in the United States each year, and the plant to be established in Huntsville will make 1,000,000 pounds. The company has made a contract for the dis-

posal of its entire annual output through one commission house.

The raw materials used are nitric acid and rice. The process is a recent invention which is protected by patents. There are only three plants of the kind in the United States, Mr. Martin says.

The protest of E. T. Boardman et al., Seattle, Wash., that hardened soya bean oil is entitled to free entry into the United States under paragraph 561, tariff act of 1913, was sustained by the Board of United States Appraisers September 6, on the stipulation that the merchandise in question is the same as the hardened soya bean oil which was the subject of Bush vs. United States (11 Ct. Cust. Appls.—T.D. 39076).

SAFETY AGAINST CHEMICAL POISONS

The Industrial Accident Commission of California, with headquarters at San Francisco, has made special arrangements for inspection work in the general field of chemical engineering, including not only the industries primarily engaged in the manufacture of chemicals, but other industries in which there is the possibility of occupational disease due to the chemical nature of the materials handled. Hazards of this sort exist not only in the manufacture and use of corrosive substances, such as strong acids and alkalis, chlorine gas, and the like, and processes in which explosions may occur or where poisonous and suffocating gases are formed, but also in a wide range of operations involving the handling of toxic substances.

Lead poisoning is one of the most familiar causes of occupational diseases. It may occur in a variety of industries, the Industrial Accident Commission sets forth, including the smelting of lead ores, the manufacture of lead pigments, the mixing of paints, the manufacture of storage batteries, and the application of lead glaze to porcelain and sanitary ware. Owing to the diversity of the various operations, it is expected that it will prove impracticable to establish any general safety regulations. The services of Messrs. L. H. Duschak and W. C. Riddell, of the firm of Duschak & Riddell, consulting chemical engineers, of San Francisco, who were formerly associated with the U. S. Bureau of Mines, have been retained by the commission to take charge of this work.

GAIN IN SALES OF GOODS ABROAD

The growing disposition of the non-manufacturing world to exchange its raw material for American manufactures is apparent, says the Trade Record of The National City Bank of New York, by a close study of the import and export figures of the fiscal year just ended. While the value figures often fall below those of recent years, the quantities of individual articles show in many cases large percentages of gain, even in the "lineal" international trade year 1922 when compared with the year immediately preceding.

Though the strike troubles of the last few weeks may have checked the disposition to lay in stocks of manufacturing material, the figures of the full fiscal year ending June 30, 1922, make it quite apparent that the quantity of raw material being brought into the country is increasing and that the countries sending them are willing to accept our manufactures in exchange.

NEW PLANT OF PACIFIC BORAX CO.

The construction of the first unit of the Pacific Coast Borax Co.'s gigantic plant to be erected at Los Angeles Harbor, at an estimated cost of \$3,000,000, will be started before the first of the year. The cost of the first unit will be \$1,000,000. The site on which the new factory will be built comprises eight acres and has a water frontage of 900 feet. The first building will be a factory unit of Class A construction, two stories, 250x400 feet, and is designed to carry three additional stories. The frame will be of steel.

A member of the company says that upon its completion the local factory will be larger than the plant at Bayonne, N. J. The Los Angeles factory will manufacture thirty-seven distinct borax products. Some of these are used in the making of fine enamel and glass-ware.

The Verona Chemical Co., 26 Verona avenue, Newark, N. J., will rebuild the portion of its plant, recently destroyed by fire with loss estimated at \$50,000.

GERMAN DYE PRICES VERSUS AMERICAN

Senator Holm O. Bursum, of New Mexico, who introduced the Bursum amendments to the tariff bill providing for high rates on dyes, said when speaking to the Senate on the proposed amendments:

The duties which are provided for under the bill are wholly inadequate. It would be impossible, upon the basis of the cost of production in this country, for the dye industry to continue business with those duties. I have taken the first four dyes on a list of about 100, comparing the reparation prices of the German dyes with the cost in this country, and I find as follows:

Auramines: German cost, 50 cents. The duty accorded in the present bill is 60 per cent plus 7 cents which would amount to 37 cents. Total landed cost of German dyes laid down in this country, 87 cents. American price, \$1.50.

Naphthol yellow S: German cost, including duty, 32.7 cents; American cost, \$1.75.

Chrysophenine G: German cost, together with duty, 29.4 cents; American cost, 90 cents.

Metanil yellow: Laid-down German cost, 44.8 cents; American cost, 90 cents.

Sulfur yellows, sulfur greens, and sulfur violets: Laid-down German cost, together with duty, 18 2-3 cents; American cost, \$1.50.

Alizarin 20 per cent paste: Laid-down German cost, 9.44 cents; American cost, 55 cents.

Indigo 20 per cent paste: Laid-down German cost, 16.6 cents; American price, 25 cents.

Sulfur blacks: Laid-down German cost, 18.2 cents, as compared with 30 cents.

Chrome blacks and diamond blacks: Laid-down German cost, 31 cents, as compared with 80 cents.

It is obvious that under the rates which have been adopted here, for the dye industry to continue will be simply impossible. That fact is recognized by the Senate. It was for that reason, I take it, that the special provision was made authorizing the President, under section 315, to increase or decrease duties to the extent of 50 per cent and adopt the American valuation upon coal-tar products.

IMPORTS AT SAN FRANCISCO

Imports at San Francisco for the week ending Sept. 16 included the following: On the steamer Arakan, from Batavia, to the Catz American Co. 18 cases nutmegs and 65 packages cassia vera; from Soerabaya, to Hableds vgn Amsterdam 1,247 bags tapioca seed, to the Pacific Orient Co. 83 cases nutmegs, to the Catz American Co. 40 cases mace, to S. L. Jones 100 cases nutmegs; from Baliz Papan, to the Shell Oil Co. of California 7,200 bags paraffine wax; from Manila, to H. W. Peabody 512 sacks copra, to the Pacific Oil & Lead Works 9,704 bags copra, and to Albers Bros. 13,363 packages copra cake. On the steamer Kentuckian, from Hamburg, to Roessler, Hasslacher & Co. 50 drums caustic potash. On the steamer Shinyo Maru, from Hongkong, to the H. M. Newhall Co. 200 cases Saigon cassia and 50 barrels cloves; from Kobe to Buchach Importing Co. 20 barrels pyrethrum flowers; from Penang via Hongkong, to the H. M. Newhall Co. 765 slabs tin. On the Toba Maru, from Kobe, to the Amalgamated Trading Co. 188 bags mustard seed. On the steamer Nanking, from Hongkong, to Kwong Kee Chan 710 cases medicated wine, to order 5 cases ginger; from Shanghai, to E. H. Otto & Co., 60 bags bismuth ore, and from Yokohama, to W. Fisher & Co. 1 case quinine sulfate.

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RECENT change in government mineral policy made you part owner of large and valuable chemical deposit. Write for full information. Burnham Chemical Co., 211 Reno National Bank Bldg., Reno, Nevada.

GROWER will contract with reliable firms at fair price, for term of years, an acreage of wormwood, tansy, spearmint or peppermint. Box 238. **DRUG & CHEMICAL MARKETS.**

LARGE pharmaceutical house solicits special formulae work. Tablets, ointments, liquids, or toilet goods in any quantity. Lowest prices, strictly ethical. Box 232. **DRUG & CHEMICAL MARKETS.**

DISTRIBUTING concern in Pittsburgh wish to secure a good connection on Citric, Tartaric Acids, and allied chemicals on a commission basis. Box 233. **DRUG & CHEMICAL MARKETS.**

FACTORY for rent (11,000 square feet) for occupancy Oct. 1st, located on Staten Island, convenient railroad and shipping facilities. In use at present time for chemical and dye purposes. Rent \$2,500 per year. For further particulars write to F. A. Fendel, 32 Broadway. N. Y.

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BACKED by 14 years consulting, trading, and manufacturing experience a "go-getter," possessing those qualifications of enthusiasm, tact, and an engaging personality seldom found in chemists, seeks a sales opportunity for handling big field products for an ably managed company. Box 235. **DRUG & CHEMICAL MARKETS.**

WANTED. Well-known responsible concern with warehousing and trucking facilities, to act as New York City distributor. No investment required. Dextro Products Inc., Buffalo, N. Y.

IMPROVED 800 acre No. Dak. farm produced 19,300 bushels Wheat, Rye, Corn, Oats, this season. For sale, J. E. Treat, Luverne, Minn.

HELP WANTED

WANTED: Salesmen to handle our Massage Alcohol to both the wholesale and retail drug trade. If necessary, can be handled as a side line. Liebenthal Bros. & Co., 1430 W. 9th St., Cleveland, Ohio.

DRUG SUNDRIES man—a high class salesman, for established wholesale drug house in western Pa. State age, experience, and record of employment. Also salary expected. Box 234. **DRUG & CHEMICAL MARKETS.**

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DO YOU WANT a conscientious young woman chemist, 1922 graduate, to be trained for your firm's interest? Address Kay 243. **DRUG & CHEMICAL MARKETS.**

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CHEMIST—Chemical Engineer with extensive experience and thorough knowledge hydrocarbons, vegetable and mineral oils and soaps, sulphonated oils, Turkey red oil, etc., desires position: has his own original formula and processes. Box 227. **DRUG & CHEMICAL MARKETS.**

CHEMICAL engineer, A.M., Ch.E., 34, married; able to construct and operate plant for the manufacture of Oxalic and Formic acids using latest practice. Desires new connections. Box 230. **DRUG & CHEMICAL MARKETS.**

ALL around drug man, executive, buying and selling, twenty-two years wholesale drug experience. Address R. K. Box 237. **DRUG & CHEMICAL MARKETS.**

CHEMICAL salesman—desires connection with representative house, West to Chicago, calling on wholesale drug and pharmaceutical firms. Ten years with last concern. Address Box 231. **DRUG & CHEMICAL MARKETS.**

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FOR SALE—caramel color, extracts, essences, flavors, etc., manufactured by Alex. Fries & Bro., Fritzsche Bros., Kohnstamm & Co. and Morana Incorp. Also equipment. Write for list special cost price. Danciger Bros., Kansas City, Mo.

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WANTED: Inquiries on Acid Phosphate, Super Phosphate, Sulphate of Ammonia, Whale Guano and Castor Pomace. Also inquiries for Caustic Soda, Soda Ash, Bleach, and Sulphate of Alumina. Also inquiries for Sodium Sulphide, fused and broken 60-62% (special form of broken). Box 236, DRUG & CHEMICAL MARKETS.

OFFER Tale, high grade imported, also various surplus drugs; attractive prices. Fulton Laboratories, Inc., 207 Water St., N. Y. City.

FOR SALE: American Medicinal Roots, Herbs, Barks, Seeds, Flowers, Witch Hazel leaves, Ginseng, etc. Inquiries solicited. Joseph Powell Co., Bristol, Tenn.

FOR SALE—600 lbs. sublimed Anthraquinone, low for cash, Acme make. Box 1288, Providence, R. I.

DRUGS AND CHEMICALS

WANTED: odd and surplus lots of chemicals, dyes, drugs, intermediates, oils, gums, etc. Dye Drug and Chemical Co., 105 John St., N. Y. City, Beekman 7563.

PLANT EQUIPMENT

WANTED a Pharmaceutical Still about 500 gals. capacity tilting type. State condition and price. Kay Laboratories, Chester, Conn.

FOR SALE—12 new tinned drums, 110 gallon capacity. Meurer D-13. Monsanto Chemical Works, St. Louis, Mo.

WANTED: A single or double, ball or pebble Assay or Jar Mill. Pulley or motor driven—S Box 239, DRUG & CHEMICAL MARKETS.

FOR SALE: Crusher, breaks solid contents of drums by automatic drop hammers pounding on drums. Works like stamping mill. Excellent for crushing Caustic Soda, or similar solids packed in drums. Wm. Schield Mfg. Co., St. Louis, Mo.

FOR SALE: 400 gross flint glass oval tubes 4 1/2 inches long, 3/4 inches largest diameter. Also large surplus stock high quality paste-board boxes, 3 1/2 x 3 1/4 x 5 1/4 inches, covered with gray paper, suitable for ampoules. Box 242, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

WANTED: Sharples Super Centrifuge, belt driven. Must be in perfect condition. State full particulars and price. Box 241, DRUG & CHEMICAL MARKETS.

WANTED: 1 hand or power grinder and pulverizer, small capacity. Globe Chemical Co., Cincinnati, Ohio.

EXCESS Laboratory Chemicals & Equipment for sale. Send want lists E. I. du Pont de Nemours & Co., Wilmington, Del.

FOR SALE: Machinery and supplies, cotton, worsted, print works, second-hand. Send for description of offerings. Box 240, DRUG & CHEMICAL MARKETS.

WANTED: Used laboratory scale, give price and condition. Passaic Color Corporation, Passaic, N. J.

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Commercial Solvents Corp.	Monsanto Chemical Works
Contact Process Co.	Nichols Copper Co.
Chas. Cooper & Co.	Pfaltz & Bauer
The Dow Chemical Co.	The Seiden Co.
E. I. du Pont de Nemours & Co.	Roesler & Hasslacher Chem.
Ellis Jackson & Co.	Semet Solvay Co.
B. G. Feinberg	Solvay Process Co.
General Chemical Co.	Stein Hall & Co.
Grasselli Chemical Co.	Superfos Company
Wm. S. Gray & Co.	U. S. Industrial Alcohol Co.
R. W. Greeff & Co.	Victor Chemical Works
Edward Hill's Son & Co.	The Warner Chemical Co.
Industrial Chemical Co.	Wilckes-Martin-Wilckes Co.
Innis Speiden & Co.	Jacques Wolf & Co.

FINE CHEMICALS

Abbott Laboratories	Magnus, Mabec & Reynard, Inc.
Baird & McGuire	Mallinckrodt Chemical Works
Bowker Chemical Co.	May & Baker
Carbide & Carbon Chem. Corp.	Merck & Co.
Chicago Starch Co.	Meteor Products Co.
Antoine Chiris Co.	H. A. Metz & Co.
Commercial Solvents Corp.	The Miner-Edgar Co.
Commonwealth Chemical Corp.	Monsanto Chemical Works
Charles Cooper & Co.	N. Y. Quinine & Chemical Wks.
The Dow Chemical Co.	Perth Amboy Chem. Wks.
Eastman Kodak Co.	Pfaltz & Bauer
Electro Bleaching Gas Co.	Pharma Chem. Corp.
B. G. Feinberg	Powers-Weightman-Rosengarten
E. Fougere & Co.	Roesler & Hasslacher Chem. Co.
T. Fujisawa & Co.	Rhodia Chem. Co.
Grasselli Chemical Co.	Stein Hall & Co.
Guasti-Finch Chem. Co.	Superfos Company
William S. Gray & Co.	Ungerer & Co.
R. W. Greeff & Co.	U. S. Industrial Chemical Co.
Hoffman-La Roche Chem. Wks.	Victor Chemical Works
Industrial Chemical Co.	Wilckes-Martin-Wilckes Co.
Jose Lopez	

DYESTUFFS

Calco Chemical Co.	H. A. Metz & Co.
Chemical Co. of America	National Aniline & Chemical Co.
Dow Chemical Co.	
Dye Products & Chem. Co.	New Brunswick Chem. Co.
Essex Aniline Works	Newport Chemical Works
E. I. du Pont de Nemours & Co.	Pharma Chem. Corp.
Ellis Jackson & Co.	Sanborn Chemical Works
Gary Chem. Co.	Southern Dyestuffs Co.
Grasselli Chemical Co.	Stein Hall & Co.
	Jacques Wolf & Co.

COAL TAR PRODUCTS

Abbott Laboratories	E. I. du Pont de Nemours & Co.
Baird & McGuire	Jordan Coal Tar Products Co.
The Barrett Co.	H. A. Metz & Company
Calco Chemical Co.	Monsanto Chemical Works
Chatfield Mfg. Co.	National Aniline & Chemical Co.
Chemical Company of America	Newport Chemical Works
Commonwealth Chemical Corp.	Protexol Corp.
Essex Aniline Works	Sanborn Chemical Works
	Southern Dyestuffs Co.

FATTY OILS

Antoine Chiris Co.	Jacques Wolf & Co.
New Brunswick Chem. Co.	

ESSENTIAL OILS

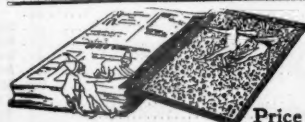
M. L. Barrett & Co.	Magnus, Mabec & Reynard, Inc.
W. J. Bush & Co.	Morana, Incorporated
Antoine Chiris Co.	Pfaltz & Bauer, Inc.
Fritzsche Bros.	Ungerer & Co.

CRUDE DRUGS

M. L. Barrett & Co.	Jose Lopez
W. J. Bush & Co.	Magnus, Mabec & Reynard, Inc.
E. Fougere & Co.	Morana, Incorporated
Hoffman-La Roche Chem. Wks.	Pfaltz & Bauer

EQUIPMENT

Buffalo Foundry & Machine Co.	Nashville Industrial Corp.
The Chemical Age	The Revue de Produits Chimique
Chemical Trade Journal	The Yakugyo Shuho



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CINCINNATI	U. S. Industrial Alcohol Co., Evans St. and C. H. D. R. R. Crossing
PEORIA	U. S. Industrial Alcohol Co.

Index To Advertisers

Abbott Laboratories	4th cover
Baird & McGuire	832
M. L. Barrett Co.	838
The Barrett Co.	790
Battelle & Renwick	880
Bowker Chemical Co.	844
Buffalo Foundry & Machine Co.	586
W. J. Bush & Co.	4th cover
Calco Chemical Co.	788
Carbide & Carbon Chemical Corp.	—
The Chatfield Mfg. Co.	844
The Chemical Age	685
Chemical Co. of America	843
Chemical Trade Journal	844
Chicago Starch Co.	889
Antoine Chiris Co.	836
Church & Dwight	833
The Cleveland-Cliffs Iron Co.	831
Commercial Solvents Corp.	820
Commonwealth Chemical Corp.	834
Contact Process Co.	842
Charles Cooper & Co.	819
The Dow Chemical Co.	821
E. I. du Pont de Nemours & Co., Acids & Heavy Chemicals Div.	827
Dyestuffs Department	723
Intermediates Department	763
Dye Products & Chemical Co.	769
Eastman Kodak Co.	633
Electro Bleaching Gas Co.	823
Ellis Jackson & Co.	789
Essex Aniline Works	832
B. G. Feinberg	844
E. Fougere & Co.	819
Fritzsche Bros.	837
F. Fujisawa & Co.	839
Gary Chemical Co.	638
General Chemical Co.	1st cover
Grasselli Chemical Co.	820
Dyestuffs Dept.	778
William S. Gray & Co.	4th cover
R. W. Greeff & Co.	823
Guasti-Finch Chemical Co.	834
Edward Hill's Son & Co.	822
Hoffman-La Roche Chemical Works.	828
Industrial Chem. Co.	880
Innis Speiden & Co.	826
Jordan Coal Tar Products Co.	770
La Revue des Produits Chimiques.	769
Jose Lopez	834
Magnus, Mabee & Reynard, Inc.	838
Mallinckrodt Chemical Works	4th cover
Mathieson Alkali Works	726
May & Baker	834
McKeehan Bros.	833
Merchants Chemical Co.	844
Merck & Co.	780
Meteor Products Co.	716
H. A. Metz & Co.	843
The Miner-Edgar Co.	824
Monsanto Chemical Works	2nd cover
Morana, Incorporated	837
Nashville Industrial Corp.	842
National Aniline & Chemical Co.	4th cover
New Brunswick Chemical Co.	787
Newport Chemical Works	845
Nichols Copper Co.	835
Perth Amboy Chemical Works	825
Pfaltz & Bauer	779
Pharma Chem. Corp.	387
Powers-Weightman-Rosengarten Co.	812
Pratt Institute	842
Rhodia Chem. Co.	838
The Roessler & Hasslacher Chem. Co.	697
Sanborn Chemical Works	768
The Selden Co.	827
Semet-Solvay Co.	787
Solvay Process Co.	820
Southern Dyestuffs Co.	833
Stein Hall & Co.	—
Superfos Co.	820
Ungerer & Co.	836
U. S. Industrial Chemical Co.	846
U. S. Industrial Alcohol Co.	846
Victor Chemical Works	835
The Warner Chemical Co.	826
Wilkes-Martin-Wilkes Co.	819
Wing & Evans	829
Jagues Wolf & Co.	632
The Yakugo Shuho	780



4,836 Beakers, assorted sizes
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11,959 Mortars and Pestles, porc.



Offerings at New York, October 10th, include: 3,955 cans Acetanilid, 1 lb.; 5,000 Oxalic Acid, 1/2-lb. and 1-lb. bottles; 72 Apparatus, compressed air; 15,214 Basins, hand, sponge, operating, enamel; 370 Boilers, instrument; 10,781 Buckets, metal, covered, 7-qt.; 5,352 Bottles Chlorocane, 4-lb.; 285 Cylinders, chlorinating apparatus; 21,141 lbs. Cotton Lint; 1,012 Cylinders, carbonic acid gas, carbon dioxide; 1,950 Filters; 2,038 Jars, large /dressings; 2,729 lbs. Mercuric Chloride, comm'l. 58,170 lbs. Paraffine Wax (bulk); 13,976 Bottles, Paraffin, compressed, 1/10 gr. tabs., 100 in bottle; 15,453 oz. Silver Nitrate in 1-oz. bottles; 5,283 oz. Silver proteinate, in 1-oz bottles; 24,579 Tubes Protargol, 1-oz. (Squibbs); 29,300 lbs. Sodium carbonate exsiccatum, comm'l.; 72,496 bottles Aromatic Spts. Ammonia, 1/2-lb.; 9,000 lbs. Unguentum Hydrargyri; Quantities of standard drugs in various size lots.

Offerings at Washington, October 27th, include: 1,820 Acetylene heating and lighting outfits; 61,518 bottles Aspirin, 324 mgm. tablets, 500 in bot.; 22,011 Asbestos Boards, 1/4" thick, 12" x 21"; 43,616 Basins, hand and sponge, rubber; 4,836 Beakers, glass, 150,300 and 400 C. C.; 1,430 bottles Bile (prepared for culture media), 1-lb.; 3,814 Blankets, rubber; 53,937 Binders, notebook, 4" x 6"; 47,027 Fillers, notebook, 4" x 6"; 98,850 bottles, wide mouth, 8-oz. and dropping T. K. 30 C. C.; 22,600 Test Tube Brushes; 1,924 Bunsen type Acetylene Burners; 125 Sterilizer Chests; 810 Bags Corks, short tapered; 27,221 Flasks, Kolbe form; 3,831 prs. Gloves, rubber, various; 13,166 Museum Jars; 36,963 Tins Chloroform, 1/2-lb. (not to be used for anesthesia); 14,200 bottles Lico-rice Compound, 500 tabs. in bot.; 20,408 Jars Mercurous Chloride Ointment; 14,385 Bottles Mistura Glycrrhizae Comp., 1,000 in bot.; 11,959 Mortars and Pestles, porc.; 523 Rolls Waxed Paper; 27,537 Pipettes, serological, 1 C. C. grad.; 94 Sterilizers, hot air. The Government reserves the right to reject any or all bids.

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